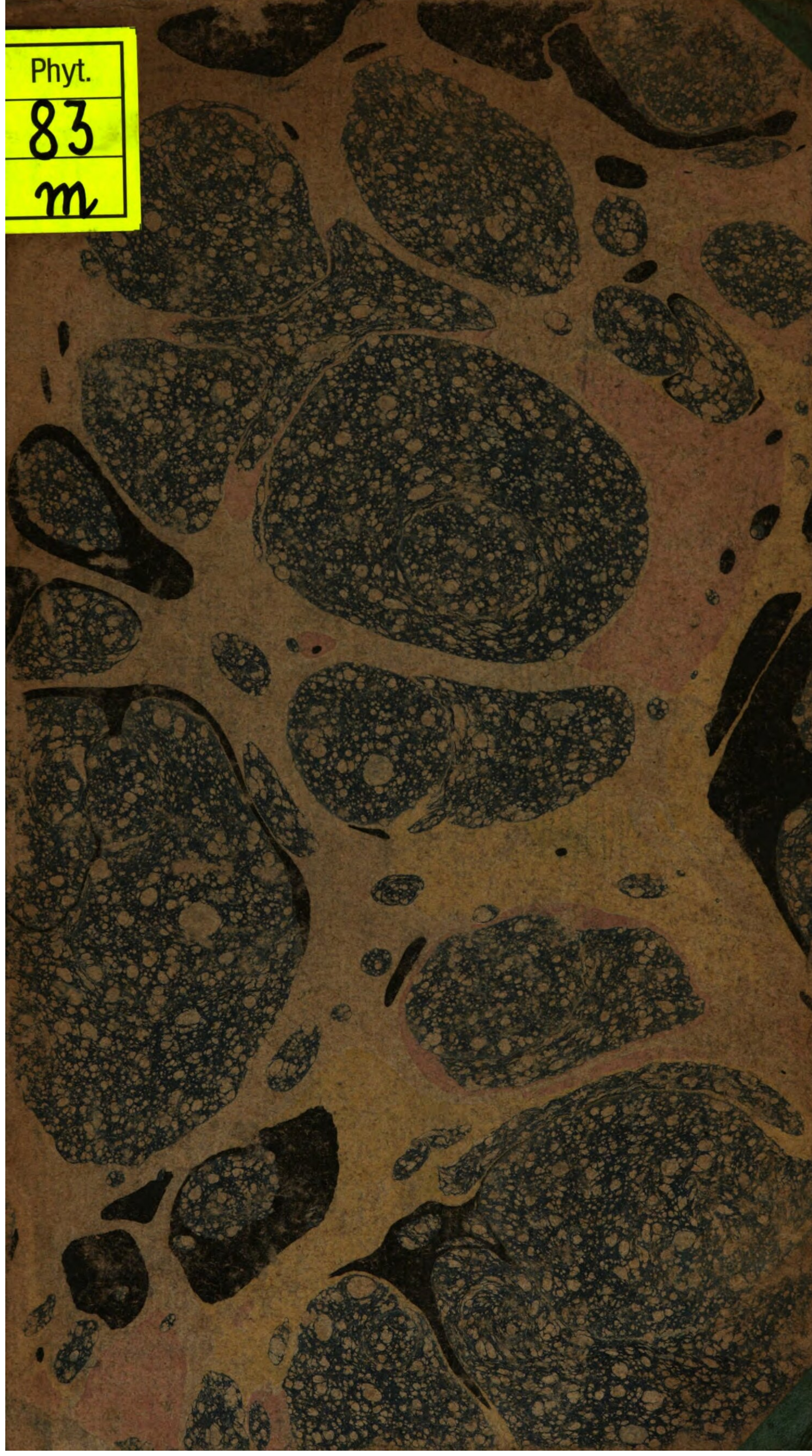
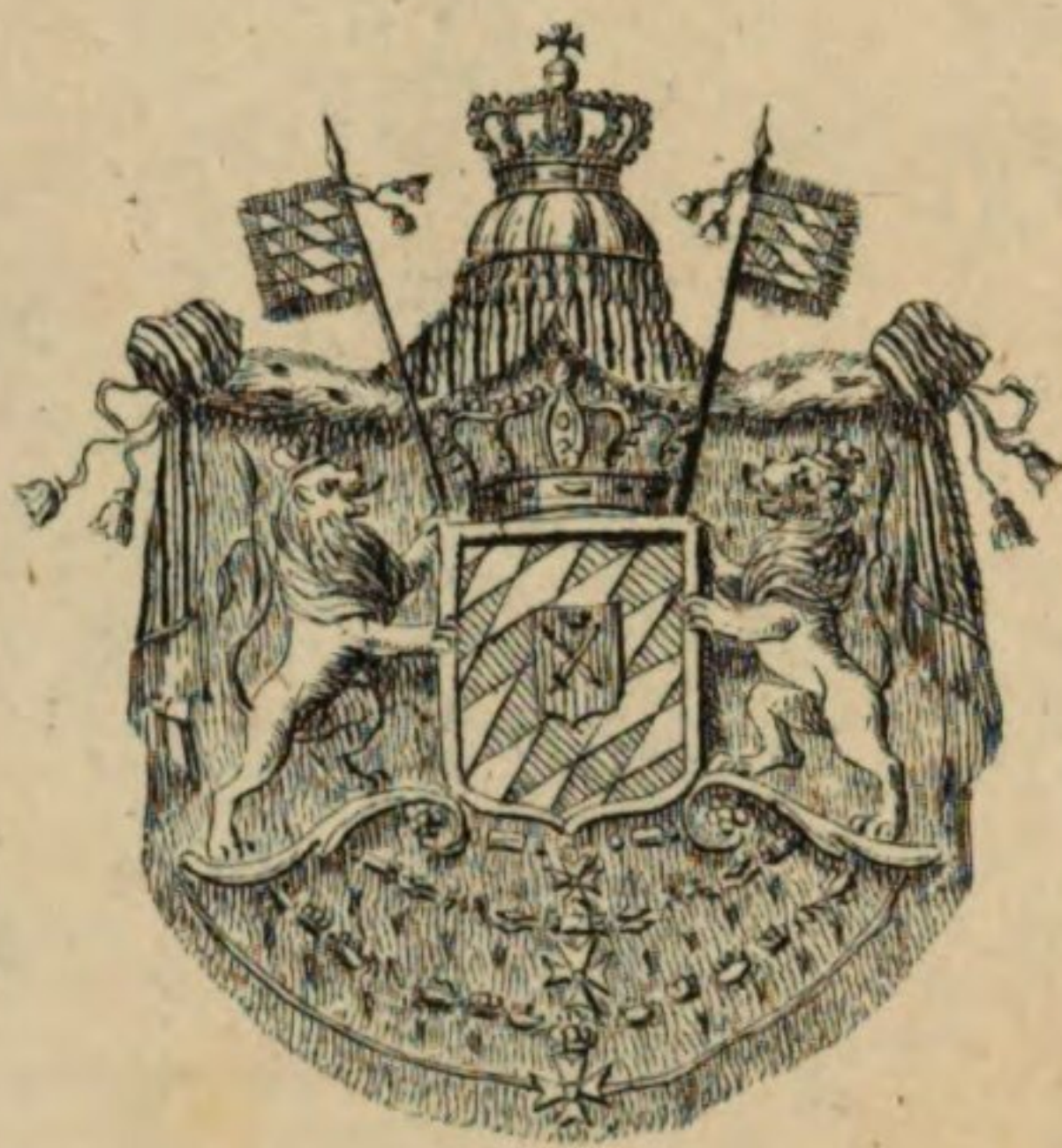


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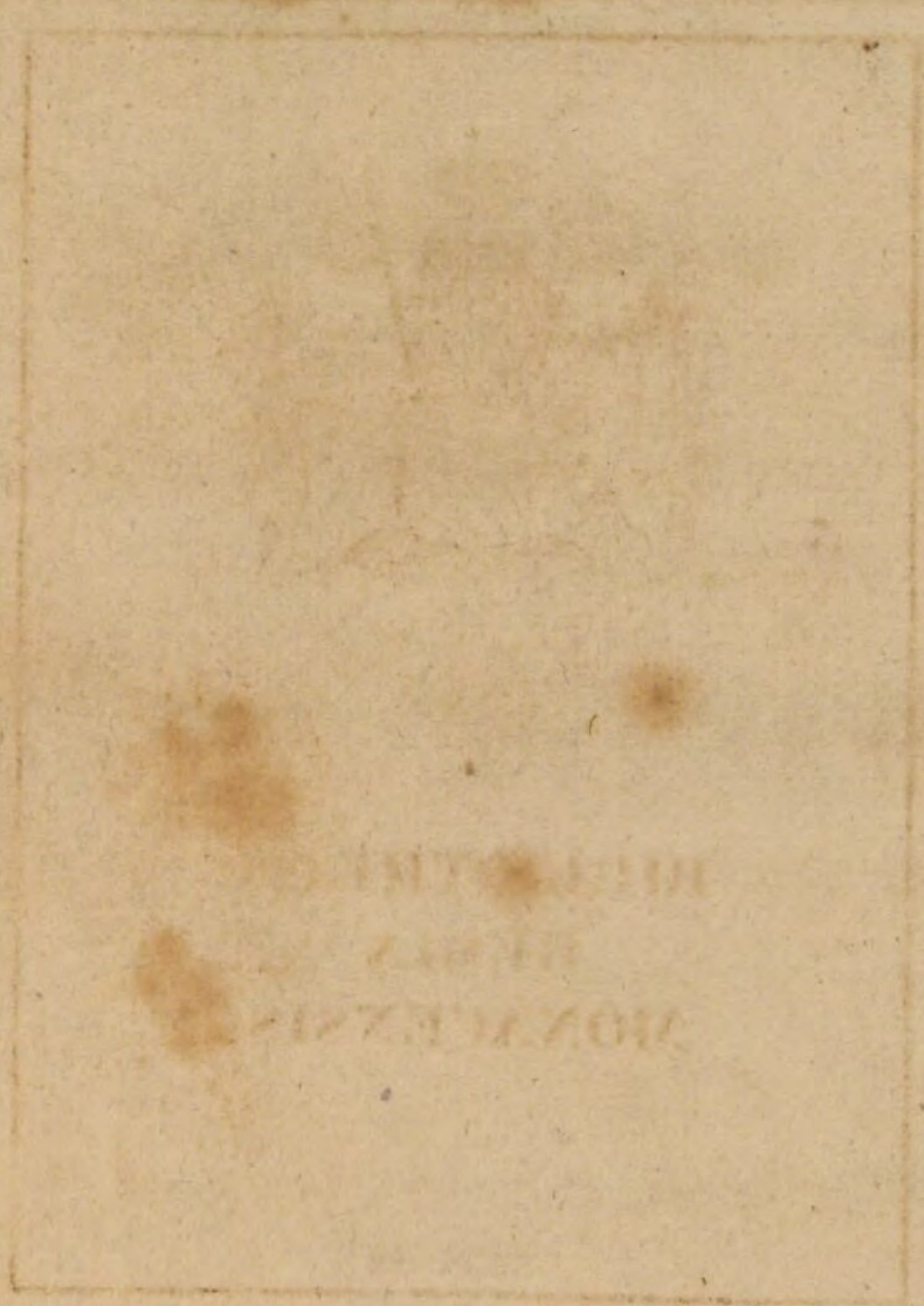
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**BIBLIOTHECA
REGIA
MONACENSIS.**



CATALOGUE OF PLANTS,

INDICATA SPONTANEOUSLY

IN THE STATE OF NEW-YORK

AND

CITY OF NEW-YORK.

PREPARED BY THE BUREAU OF NATURAL HISTORY OF
NEW-YORK.

ALBANY:

PRINTED BY WEBSTER AND SEXTON,

At their Bookstore in the White House, corner of State and Pearl Streets.

1813

Phyt. 83 ^m

CATALOGUE OF PLANTS

WITHIN THREE MILES

CITY OF NEW YORK

AS IN 1811

NEW YORK

ALBANY

PRINTED BY WHEATLEY AND GIBBS

It has been deposited in the New York office of the Post Office

on the 10th day of

1812

A

CATALOGUE OF PLANTS,

GROWING SPONTANEOUSLY

WITHIN THIRTY MILES

OF THE

CITY OF NEW-YORK.

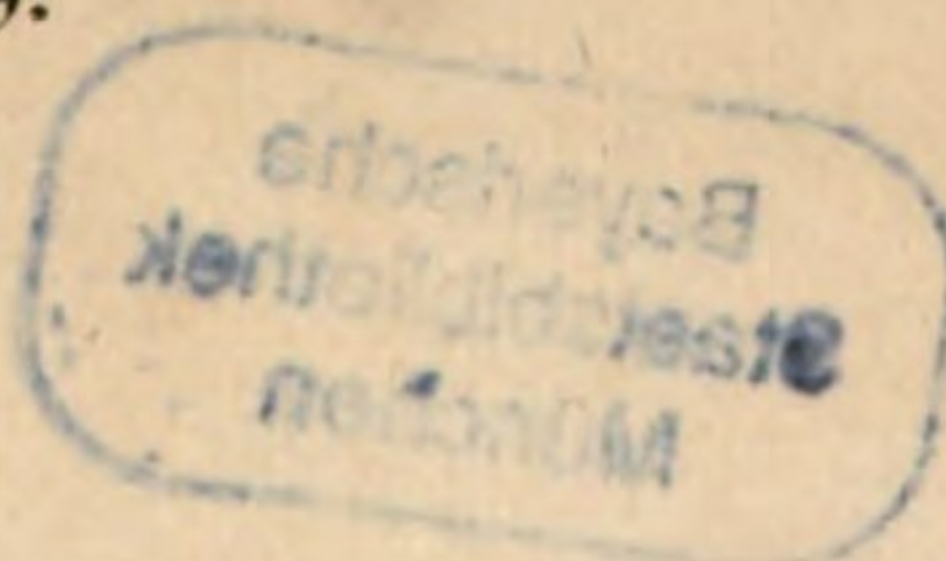
PUBLISHED BY THE LYCEUM OF NATURAL HISTORY OF
NEW-YORK.

ALBANY :

PRINTED BY WEBSTERS AND SKINNERS,

At their Bookstore in the White House, corner of State and Pearl Streets.

1819.



CATALOGUE OF PLANTS
SAMUEL L. MITCHELL, M.D.

RESIDENT OF THE LYCEUM OF NATURAL HISTORY

PROFESSOR OF BOTANY, ZOOLOGY AND MINERALOGY

WITH ILLUSTRATIONS

BY GEORGE ENGELMANN OF THE STATE OF NEW YORK

PRESIDENT OF THE LYCEUM OF NATURAL HISTORY

THE DEAN AND DEANESS

THIS CATALOGUE OF THE PLANTS

COLLECTED IN THE MOUNTAINS OF

THE STATE OF NEW YORK

IS EXHIBITED

IN THE MUSEUM OF NATURAL HISTORY

NEW YORK

1852

PRINTED BY J. M. WHITTAKER

NEW YORK

ALBANY

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NEW YORK

1852

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TO
SAMUEL L. MITCHILL, M. D.
PRESIDENT OF THE LYCEUM OF NATURAL HISTORY,
PROFESSOR OF BOTANY, ZOOLOGY AND MINERALOGY
IN THE
UNIVERSITY;
SURGEON-GENERAL OF THE STATE OF NEW-YORK;
PRESIDENT OF THE INSTITUTION FOR INSTRUCTING
THE DEAF AND DUMB,
&c. &c. &c.

THIS CATALOGUE OF THE PLANTS

GROWING IN THE NEIGHBORHOOD OF THE

CITY OF NEW-YORK,

IS INSCRIBED,

AS A TRIBUTE OF RESPECT,

AND

AS A TOKEN OF ACKNOWLEDGMENT

TO HIM,

WHO FIRST RECOMMENDED THE UNDERTAKING.

Advertisement.

THE resolution of the LYCEUM to prepare a Catalogue of the Plants growing in this Neighborhood, was passed May 5th, 1817. Dr. C. W. EDDY, Mr. D'JURCO V. KNEVELS, and myself, were appointed a Committee to carry the resolution into effect. And although the following pages were reported as early as December 22, 1817, unavoidable obstacles have delayed its publication until the present time.

(Signed)

JOHN TORREY,

In behalf of the Committee.

Feb. 16, 1819.

PREFACE.



THIS Catalogue is intended to facilitate the study of the Plants growing spontaneously in the vicinity of the city of New-York. It is believed there are few species hitherto observed in this neighborhood which are not to be found in it; though it is not to be supposed that the list is by any means complete. The few that have not come under our own observation, have been inserted on good authority.

The Catalogue of Plants growing about Plandome, on Long-Island, published in 1807, in the Medical Repository,† was the first attempt to enumerate the native plants of the vicinity of New-York. It contains three hundred and ten species, some of which are rare.

In 1812, J. LE CONTE, Esq. published in the Medical and Philosophical Register,‡ a list of four hundred and fifty plants, collected by him on the island of New-York.

These are the only local Catalogues of Plants, relating to this section of our country, which have hitherto been published.

Though our Catalogue embraces all the plants which have been observed within thirty miles of the city, yet our herborizations have been mostly confined to its immediate vicinity. The island of New-York has been pretty well explored, particularly the woods from Manhattanville to Bloomingdale, the banks of the Hudson, and the low grounds near Greenwich. The woods within a few miles of Brooklyn, and the sea shore about Bath, have been frequently examined. Few places have afforded us more plants, than the vicinity of Hoboken and Weehawk, and the neighboring marshes. Many excursions have been made to these pla-

† Hex. 2. vol. 5. p. 123—131.

‡ Vol. 2. p. 134—142.

ces, but much remains to be discovered. The cedar swamp, near New-Durham, is particularly deserving of notice. This is a sphag-nous morass, of about three quarters of a mile in length, and between two and three hundred yards wide, and is entirely overgrown with the *cupressus thuyoides* or white cedar, and other evergreens.—Many of our most rare and interesting plants were obtained in this place, as our catalogue bears evidence.

Staten-Island has not been often visited, though there is reason to expect much from the peculiar soil which predominates over a considerable part of it. A great portion of the sea shore has not been explored with that attention which it deserves ; and the productions of the sea itself have been, as yet, almost entirely neglected.

Perhaps there is no region more interesting to the botanist nor to the geologist than that which surrounds the city of New-York. The four great formations of Werner occur in our immediate vicinity, and the soil and situation are greatly diversified. Our proximity to the ocean also gives us the advantage of studying those plants which are never found far from the sea shore.

In the lower orders of the class Crytogamia, we have not been able to do much, owing to the extreme difficulty of obtaining proper books relating to this branch of botany. We have therefore only inserted such species as are satisfactorily ascertained, reserving the rest until some future time, when it is expected this class will be greatly augmented.

Those plants which are not properly natives, but have been introduced or naturalized among us, are distinguished by this mark §.

LYCEUM, December 22, 1817.

AUTHORITIES.

The following are the principal Works used in compiling this Catalogue :

- | | |
|-------------------------------|--|
| <i>Willdenow.</i> | <i>Species Plantarum.</i> 1797—1806. |
| <i>Persoon.</i> | <i>Synopsis Plantarum.</i> 1805—7. |
| ————— | <i>Synopsis Methodica Fungorum.</i> 1801. |
| <i>Michaux.</i> | <i>Flora Boreali Americana.</i> 1803. |
| <i>Michaux, fil.</i> | <i>Arbres forrestieres de l'Amerique Septentrionale.</i> 1811. |
| <i>Pursh.</i> | <i>Flora Americae Septentrionalis.</i> 1814. |
| <i>Muhlenberg.</i> | <i>Catalogus Plantarum Americae Septentrionalis.</i> ed. 2. 1818. |
| ————— | <i>Descriptio Uberior Graminum et Plantarum Calamariarum Americae Septentrionalis.</i> 1817. |
| <i>Walter.</i> | <i>Flora Caroliniana.</i> 1788. |
| <i>Decandolle.</i> | <i>Species Plantarum.</i> 1818. |
| <i>Bigelow.</i> | <i>Florula Bostoniensis.</i> 1814. |
| <i>Elliott.</i> | <i>A Sketch of the Botany of South-Carolina and Georgia.</i> 1817. |
| <i>Nuttall.</i> | <i>Genera of American Plants.</i> 1818. |
| <i>Eaton.</i> | <i>Manual of Botany.</i> 1818. |
| <i>Barton.</i> | <i>Compendium Florae Philadelphicae.</i> 1818. |
| <i>Roemer & Schultes.</i> | <i>Systema Vegetabilium.</i> vol. 1 & 2. 1817. |
| <i>Acharius.</i> | <i>Lichenographia Universalis.</i> 1810. |
| ————— | <i>Synopsis Methodica Lichenum.</i> 1814. |
| <i>Palisot Beauvois.</i> | <i>Prodrome des 5-eme et 6-eme familles de l'Æthogamie.</i> 1805. |

ABBREVIATIONS.

<i>Ait.</i>	Aiton.	<i>Muhl.</i>	Muhlenberg.
<i>Bart.</i>	Barton.	<i>Murr.</i>	Murray.
<i>Big.</i>	Bigelow.	<i>Nutt.</i>	Nuttall.
<i>Br.</i>	R. Brown.	<i>P. de B.</i>	Palisot de Beauvois.
<i>Curt.</i>	Curtis.	<i>Pers.</i>	Persoon.
<i>Desf.</i>	Desfontaines.	<i>Poir.</i>	Poiret.
<i>D. C.</i>	Decandolle.	<i>Ph.</i>	Pursh.
<i>Eat.</i>	Eaton.	<i>Raf.</i>	Rafinesque.
<i>Ed.</i>	Eddy.	<i>R. & S.</i>	Roemer & Shultes.
<i>Ehrh.</i>	Ehrhart.	<i>Rich.</i>	Richard.
<i>Ell.</i>	Elliott.	<i>Sals.</i>	Salisbury.
<i>Gron.</i>	Gronovius.	<i>Schr.</i>	Schkuhr.
<i>l'Her.</i>	l'Heritier.	<i>Schreb.</i>	Schreber.
<i>Hoff.</i>	Hoffman.	<i>Sibth.</i>	Sibthorp.
<i>Jacq.</i>	Jacquin.	<i>Sm.</i>	Smith.
<i>Juss.</i>	Jussieu.	<i>Spreng.</i>	Sprengel.
<i>Lamb.</i>	Lambert.	<i>Sw.</i>	Swartz.
<i>L. C.</i>	Le Conte.	<i>Tourn.</i>	Tournefort.
<i>L.</i>	Linnaeus.	<i>Turt.</i>	Turton.
<i>Lmk.</i>	Lamarck.	<i>Vent.</i>	Ventenat.
<i>Mich.—Mx.</i>	Michaux.	<i>Walt.</i>	Walter.
<i>Mich. f.</i>	Michaux filius.	<i>Wang.</i>	Wangenheim.
<i>Moench.</i>	Moenchausen.	<i>Willd.</i>	Willdenow.

§ Plants which have been introduced, or naturalized.

☉ Annuals.

♂ Biennials.

24 Perennials.

h Shrubs or Trees.

v. v. Signifies that the plant has been seen in a living state.

v. s. A dried specimen.

N. J. New-Jersey. N. Y. New-York. L. I. Long-Island.

A

CATALOGUE

OF THE

PLANTS OF NEW-YORK.

MONANDRIA.

MONOGYNIA.

1. **SALICORNIA.** L. *Glass-wort. Samphire.*
 - 1 herbacea. L. (*common.*) In salt marshes. ☉. Aug.—Sept.
var. *ramis simplicibus.* (S. *Virginica.* L.) with the former.
 - 2 ambigua. Mx. New-York. (Muhl.) *Long-branch.* New-Jersey. Cooper. ♀. Sept.

DIGYNIA.

2. **CALLITRICHE.** L. *Water-Chickweed.*
 - 1 heterophylla. Ph.
verna. Muhl.
aquatica. Big.

Floating in stagnant waters and ditches. ☉. May—Aug.

 - 2 autumnalis. Loesel.
linearis. Ph.

Found with the former. Greenwich. ☉. Aug.—Sept.

 - 3 terrestris. Muhl.
brevifolia. Ph.

On the muddy banks of the Passaic. New-Jersey. ☉.
3. **BLITUM.** L. *Strawberry Spinach.*
 - 1 capitatum. L. In fields. New-York. ☉. June. §?
 - 2 maritimum. Nutt. Gen.
Amer. Pl. Sup.

In salt-marshes, on Long-Island, near New-York. Nuttall.
Hoboken. T. ♀? Sept.
4. **CINNA.** L.
 - arundinacea. L.
Agrostis Cinna. Turt. et Ph.

Moist shady woods and swamps. Weehawk and Bloomingdale. ♀. Aug. Sept.

DIANDRIA.

MONOGYNIA.

5. **LIGUSTRUM.** L. *Privet. Prim.*
 vulgare. L.
 In hedges and copses. Perhaps introduced. ½. May. white.
6. **CIRCAEA.** L. *Enchanter's Night-shade.*
 Lutetiana. var. canadensis. Ph.
 Canadensis. Muhl.
 Moist shady places. ¼. July—Aug. white or pale pink.
7. **CALLISTACHIA.** Raf. *Culver's Physic.*
 Virginica. Raf.
 Veronica Virginica. L.
 Leptandra Virginica. Nutt.
 In hilly woods. New-Jersey, and on Long-Island. ¼. July
 —Aug. white.
8. **VERONICA.** L. *Speedwell.*
 1 officinalis. L. In woods and wet sandy places. ¼. June
 —July. blue.
 2 serpillifolia. L.
 3 Anagallis. L. Creeks and ditches. New-York. ¼. June
 —Aug. blue.
 4 scutellata. L. In swamps and wet places near streams.
 ¼. May—July. blue.
 5 agrestis. L. Gravelly fields. ☉. May. § blue.
 6 arvensis. L. On dry hills. ☉. April—Aug. blue. §.
 7 hедераefolia. L. Among the shady rocks on the hills
 about Hoboken. ☉. April 1—June. blue.
 8 peregrina. Sm.
 Marylandica. Murr.
 Caroliniana. Walt.
 In wet sandy meadows. ☉ May—July. white.
9. **GRATIOLA.** L. *Hedge Hyssop.*
 1 aurea. Muhl. (*Golden-Pert.*) In sandy woods in moist
 places. New-Jersey. Long-Island, &c. ¼. Aug. yellow.
 2 Virginica. L.
 officinalis. Mx.
 B. Caroliniensis. Pers.
 In inundated and moist places. (*rare.*) ¼. Aug.
 3 neglecta. *Sp. nov.* In similar situations. (common.) July
 —Aug. ¼. white and yellow.
10. **LINDERNIA.** L.
 1 attenuata. Muhl.—Ell.
 Pyxidaria. Ph.
 Gratiola anagallidea. Mx.
 inequalis. Walt.
 Low wet places, near Greenwich, and in New-Jersey. ☉.
 July—Sept. blue.

- 2 dilatata. Muhl.—Ell. Along with the preceding. Greenwich. ☉. July—Sept.
11. UTRICULARIA. L. *Hooded Milfoil.*
 1 macrorhiza. LC.
 vulgaris. Ph. et Big. non L.
 In ponds, three miles from Brooklyn, L. I. 2. Aug. yellow.
 2 ceratophylla. Mx. In stagnant waters. New-Jersey. Eddy. 2. July. yellow.
 3 setacea. Mx. In ponds and overflowed places in the pine barrens of New-Jersey. 2. June—Aug. yellow.
 4 striata. LC. M. S. With the preceding. 2. June. yellow.
 5 purpurea. Walt.
 saccata. LC.
 In ponds on Schooley's mountain. LC. Aug. purple.
12. CATALPA. JUSS. *Indian Bean. Catalpa.*
 cordifolia. Ell.
 syringaefolia. Sims.
 Bignonia Catalpa. L.
 Introduced from the southern states. 2. July. Aug. variegated.
13. LYCOPUS. L. *Water Horehound.*
 1 Europaeus. L.—Mx.
 vulgaris. Pers.
 Americanus. Muhl?
 In wet shady places. New-York. 2. July—Aug. white.
 2 Virginicus. L. In low wet places. 2. Aug. white.
14. MONARDA. L. *Mountain-balm.*
 1 fistulosa. Willd. In woods. N. J. 2. July—Aug. pale red.
 2 allophylla. Mx.
 oblongata. Ait.
 mollis. Willd?
 On rocky hills. 2. Aug.—Sept.
15. SALVIA. L. *Sage.*
 lyrata. L. In sandy fields. New-Jersey. Eddy. 2. May. June. blue.
16. COLLINSONIA. L. *Horse-weed. Richweed.*
 Canadensis. L. In woods and among rocks. 2. Aug. yel.
17. FRAXINUS. L. 2. *Ash.*
 1 sambucifolia. Willd. (*black.*) In moist woods. May.
 2 discolor. Mx. f. (*White Ash.*) In woods. N. Jersey. May.
 3 concolor. Mx. f. (*Green Ash. White Ash.*)
 acuminata. Lmk.
 In woods. New-York and New-Jersey.
 4 platycarpa. Vahl. On the Island of New-York. LeConte.

DIGYNIA.

18. ANTHOXANTHUM. L. *Vernal Grass.*
 odoratum. L. (*sweet scented.*) In meadows and woods.
 2. May—July.

TRIANDRIA.

MONOGYNIA.

19. **FEDIA.** Gaert. *Lamb's Lettuce.*
radiata. Mx.
Valeriana radiata. Pers.
 In fields. ☉. May—June.
20. **SISYRINCHIUM.** L.
anceps. Lmk. (*Blue-eyed grass.*)
gramineum. Curt.
 In wet pastures. ♀. May—June. blue.
21. **IRIS.** L. *Flower-de-luce. Blue flag.*
 1 *Virginica.* L.
hexagona. Walt.
 Springy grounds, near creeks. ♀. June—July. blue.
 2 *versicolor.* L. Wet meadows. Bergen, N. J. ♀. June. blue.
 3 *prismatica.* Ph.
gracilis. Big.
 In meadows near Hackensack. ♀. June. blue.
22. **HETERANTHERA.** Beauv.
 1 *graminea.* Vahl.
Leptanthus gramineus. Mx.
Commelina dubia. Jacq.
Schollera graminifolia. Muhl.
 Whippany Creek, near Morristown, N. J. *Dr. Eddy.* Fish-kill Creek. *Knevels.* ♀. Aug. yellow.
 2 *reniformis.* Muhl. Cat.
acuta. Vahl.
Leptanthus reniformis. Michx.
Virginica. Pers.
Peruviana. Pers.
 In the Passaic river, near Fairfield. ♀. v. v. s. fl.
23. **XYRIS.** L. *Yellow-eyed Grass.*
Jupicai. Mx.
Caroliniana. Walt.
 In meadows. New-Jersey. *Eddy.* ♀. Aug.
24. **SCHOENUS.** L. *Bog-rush.*
 1 *albus.* L.
Rhynchospora alba. Vahl.
 In boggy meadows. ♀. July—Sept.
 2 *glomeratus.* L.—Muhl. Gram.
R. glomerata. Vahl.
 In wet meadows and swamps. ♀. July—Sept.
 3 *setaceus.* Muhl. Gram. In swamps. ♀. July.
25. **CYPERUS.** L. *Galingale.*
 1 *parviflorus.* Muhl. Gram. In muddy places, on the banks of creeks. N. J. ♀. Aug.
 2 *tenuis.* Vahl. In swamps. ♀. Aug.—Sept.
 3 *strigosus.* L. In overflowed meadows. ♀. Aug.

- 4 *flavescens*. L. Borders of salt-marshes and in bog-meadows. 4. Aug.—Sept.
- 5 *diandrus*. *Sp. nov.* In salt-marshes. Hoboken. Sept.
- 6 *repens*. Ell? On the sandy beech about Bath. Long-Island. 4 Aug.
- 7 *erythrorhizos*. Muhl. In wet meadows. common. ☉? Aug.
- 8 *poaeformis*. Ph. In brackish meadows. Long-Island. Sept.
- 9 *caespitosus*. *Sp. nov.* In the salt-marshes about Greenwich and Hoboken. 4. Aug. Sept.
- 10 *Brizaeus*. Rich. In wet meadows. Aug.
26. **DULICHIMUM**. Rich.
 spathaceum. Rich.
 Canadense. Rich.
 Cyperus spathaceus. Willd.
 Scirpus spathaceus. Mx.
 Schoenus spathaceus. L.
 In swamps near salt water. Greenwich and New-Jersey. 4.
 Aug.—Sept.
27. **SCIRPUS**. L. *Club-rush*.
 1 *tenuis*. Willd. Enum. Low places, overflowed by salt-water. 4 June—July.
 2 *palustris*. L.
 Eleocharis palustris. R. Brown.
 Borders of marshes and ponds. 4. June.
 3 *capitatus*. L.
 Eleocharis capitata. R. Brown.
 In similar situations. 4. July—Aug.
 4 *trichodes*. Muhl. In water on the edges of ponds. June.
 5 *intermedius*. Muhl. Gram. In swamps. New-Jersey. 4.
 Sept. *Near S. multicaulis*. Sm.
 6 *capillaceus*. Mx.—Ell.
 pusillus. Vahl.
 In salt-marshes, very small, and grows in patches like moss.
 ☉? July—Aug.
 7 *capillaris*. Muhl. Gram. In sandy fields about Hoboken.
 ☉. July.
 8 *lacustris*. L. Muhl. (*Bullrush*.) In ponds and marshes.
 4. June.
 9 *acutus*. Muhl. Gram. Borders of ponds, in shady places.
 4. June—July.
 10 *debilis*. Ph. non Muhl. In similar situations. N. J. 4.
 July.
 11 *spadiceus*. L. Muhl.
 Fimbristylis spadiceus. Vahl.
 In salt-marshes, near Hoboken. 4 Aug. Sept.
- 12 *autumnalis*. Muhl.
 mucronulatus. Mx. R. & S.
 Fimbristylis autumnalis. R. & S.
 In swamps. N. Jersey. ☉. Aug.—Oct.
- 13 *atrovirens*. Muhl. Gram. In wet meadows and swamps.
 4. June.

- 14 *macrostachyos*. Muhl. Gram.
robustus. Ph.
maritimus. Mx. Ell. In salt-marshes. 24. July—Aug.
- 15 *Americanus*. Pers.
triqueter. Mx. Muhl. Gram. In salt-marshes. 24. July—Aug.
28. **MARISCUS**. Vahl.
 1 *retrofractus*. Vahl.
Scirpus retrofractus. Muhl. In wet meadows. 24. Aug.
 2 *echinatus*. Ell.
ovularis. Vahl.—Enum. R. & S.
Scirpus echinatus. Muhl. Gram.—L?
Kyllingea ovularis. Mx.
 In wet meadows and borders of swamps. Bloomingdale, &c.
 24. Aug.
 3 *cyperiformis*.
glomeratus. Bart. Fl. Philad.
umbellatus. Ph. non Vahl.
Scirpus cyperiformis. Muhl. Gram.
 var. *capitulo globoso*.
Cyperus Kyllingaeoides. Ph.
Scirpus lupulinus. Spr.
 On dry hills, and in arid sandy soils. N. York, N. Jersey,
 &c. 24. July. Sept.
29. **ERIOPHORUM**. L. *Cotton-grass*.
 1 *polystachyon*. L.
vulgare. Pers.
angustifolium.
B. polystachyum. R. & S.
 In bog-meadows. Long-Island, &c. Aug.
 2 *angustifolium*. L. In the cedar swamp. New-Durham.
 24. July.
 3 *Virginicum*. L. In bog-meadows. 24. July.
30. **TRICHOPHORUM**. Pers.
cyperinum. Pers.
Scirpus Eriophorum. Mx.
Eriophorum cyperinum. L.
 In swamps near salt-water. 24. Aug.
31. **CENCHEUS**. L. *Hedge-Hog-grass*.
 1 *tribuloides*. L. On the sea-shore, and the gravelly banks
 of the Hudson, near the city. 24. Aug.
 2 *echinatus*. Schreb. Gram. t. 23. f. 1. Muhl. Gram.
 On Long-Island, near the city. Eddy. v. s. in *Herb. Edd.*
32. **SPARTINA**. Schreb. *Limnetis*. Rich. *Trachynotia*. Mich.
 1 *juncea*. Muhl.—Ell.
Trachynotia juncea. Mx.
Limnetis juncea. Pers.
Dactylis cynosuroides. Walt.
 In salt-marshes and on gravelly shores, near the salt-water.
 24. Aug.

2 polystachya. Muhl.

Limnetis polstachya et cynosuroides. Pers.

Trachynotia polystachya et cynosuroides. Mx.

On the sea-coast about S. Hook, and in Newark meadows.

3 glabra. Muhl. In salt-marshes and on the banks of rivers. 2. Aug.—Sept.

4 pumila. Roth. Near N. York. Roth. Perhaps a variety of the preceding.

DIGYNIA.

33. { MUHLENBERGIA. Schreb.

{ DILEPYRUM. Mich.

diffusa. Schreb.

Dilepyrum minutiflorum. Mich.

On the high rocky hills about Weehawk, and at Patterson falls. 2. Sept.

34. TRICHODIUM. Mich. Thin-grass.

1 laxiflorum. Mx. In woods and meadows. 2. Aug.

2 scabrum. Muhl.

Agrostis scabra. Willd.

In meadows. 2. Aug.

35. { LEERSIA. Swartz. Cut-grass. Rice-grass.

{ ASPRELLA. Lmk.

1 Oryzoides. Sw.

Asprella Oryzoides. Lmk.

Phalaris Oryzoides. L.

In stagnant waters and wet meadows. 2. Aug.—Sept.

2 Virginica. Willd.

Asprella Virginica. R. & S.

In wet woods. Bloomingdale, &c. 2. Aug.—Sept.

36. MILIUM. L. Millet-grass.

amphicarpon. Ph.

ciliatum. Muhl.

In Monmouth county, New-Jersey. v. s. ☉? Sept. An
revera Milium?

37. AGROSTIS. L. Bent-grass.

1 stricta. Willd. On rocks. Bloomingdale. 2. July.

2 alba. L.—Muhl. In fields and meadows. 2. July.

3 Vulgaris. Sm. (Red-top.) In fields and meadows. 2. June
—Aug. §.

4 Mexicana. Muhl. Gram.

lateriflora. Mx.

In wet meadows. New Jersey. 2. July.

5 Compressa. Sp. nov. In sandy pine woods. New-Jer-
sey. Goldy. 2. Oct.

6 Virginica. Muhl. Gram. non A. pungens. Pers.

Crypsis Virginica? Nutt. Gen. Amer. Pl. 1 p. 49.

Sandy fields about Greenwich; also in N. Jersey. 2. Sept.

7 involuta. Muhl. Gram. Borders of fields about Harsi-
mus. N. J. 2. Sept.

- 8 sobolifera. Muhl. Gram. On rocks in Bloomingdale woods. 24. Aug.
- 9 diffusa. Muhl. Gram. On the hills near Hoboken. N. Jersey. 24. Aug.
38. POLYPOGON. Desf.
glomeratus. Willd. R. & S.
setosus. Spreng. R. & S.
racemosus. Nutt.
Agrostis setosa. Muhl. Gram.
racemosa. Mich.
In Hackensack meadows. 24. Aug.—Sept.
39. AIRA. L. *Hair-grass.*
1 mollis. Muhl. Gram. In dry woods. 24. May—July.
2 truncata. Muhl. Gram.
Pennsylvanica. Spreng.
obtusata. Mx.
Airopsis obtusata. Desf. R. & S.
Koeleria Pennsylvanica. Decand. R. & S.
Holcus striatus. L. ?
In rocky woods. Hoboken. 24. June.
3 melicoides. Mx.
triflorum. Ell.
Poa melicoides. Nutt.
Graphephorum melicoides. P. de B.
With the preceding species. 24. June.
4 pallens. Muhl. var. aristata.
Avena palustris. Mich.
In wet meadows. New-Jersey. 24. June.
5 caespitosa. L. In woods near South-Amboy. 24. June.
40. URALEPSIS. Nuttall.
aristulata. N.
Aira purpurea. Muhl. Gram. non Walt.
On the gravelly banks of the Hudson, and on the sea coast of Long-Island. ☺. Aug.—Sept.
41. HOLCUS. L. *Soft-grass.*
1 lanatus. L. In meadows. 24. May—July. § ?
2 fragrans. Willd. (*Seneca-grass.*)
odoratus. Mx.
Hierochloa fragrans. R. & S.
In meadows near Greenwich. 24. May 2d.—June.
42. PHALARIS. L. *Canary-grass.*
1 Americana. Ell.
arundinacea. Mx.—Muhl.
Calamagrostis colorata. Nutt.—Sibth ?
In bog meadows. New-Jersey. 24. Aug.
2 maritima. Nutt.
Arundo arenaria. L.
Psamma arenaria. R. & S.
Common on the sandy sea coast near New-York. 24. Aug.—Sept.

43. **PHLEUM.** L. *Cat's-tail-grass.*
pratense. L. (*Timothy-grass.*) In meadows and pas-
 tures. 24. June—Aug. §.
44. **ALOPECURUS.** L. *Fox-tail-grass.*
 1 *pratensis.* L. In low meadows. 24. June.—Sept. § ?
 2 *geniculatus.* Muhl. Gram.
aristulatus. Mx. Nutt.
 In ditches and over-flowed meadows. 24. June.
45. **PANICUM.** L. *Panic-grass.*
 1 *glaucum.* L.
Setaria glauca. R. & S.
 In fields and cultivated grounds. ☉. July—Aug. § ?
 2 *viride.* L. (*Bottle Grass.*)
Setaria viridis. R. & S.
 In similar situations. ☉. July—Aug. §.
 3 *Italicum.* L.
Setaria Italica. R. & S.
 In ditches and wet meadows. ☉. Aug. §.
 4 *Crus galli.* L. (*Barn Grass.*)
Echinochloa Crus galli. R. & S.
 In ditches and in cultivated grounds. ☉. Aug.
 var. *muticum.* Grows with the preceding.
 5 *hispidum.* Muhl. Gram.
Walteri. Ph. non Muhl.
muricatum. Mx.
Crus galli. var. *hispid.* Ell.
Setaria muricata. R. et S.
Echinochloa echinata. R. et S.
 Borders of salt-marshes. Hoboken. 24. ? Sept. Oct.
 6 *latifolium.* L. In woods and shady places. 24. June—
 July.
 7 *clandestinum.* L. In similar situations. 24. July.
 8 *microcarpon.* Muhl. Gram. Moist shady grounds. 24.
 Aug.
 9 *dichotomum.* L. et Muhl.
ramulosum. Mx.
 In dry woods and shady places. 24. July—Sept.
 10 *pubescens.* Muhl.—Ell. In moist shady situations. 24.
 July—Aug.
 11 *nervosum.* Muhl. Gram. In wet meadows. Greenwich.
 24. Aug.
 12 *macrocarpon.* LC. In moist shady situations. 24. July.
 13 *agrostoides.* Muhl. Gram. In wet meadows. 24. Aug.—
 Sept.
 14 *virgatum.* L. Borders of salt-marshes, and banks of riv-
 ers. 24. Aug.—Sept.
 15 *geniculatum.* Muhl. Gram.
dichotimiflorum. Mx.
proliferum. Lmk. ?
 In salt-marshes. Hoboken. 24. Sept.

- 16 capillare. L. In sandy fields and cultivated grounds.
 ☉. Aug.
 var? sylvaticum. In woods. ☉. Aug.
- 17 nitidum. Lmk. In moist and shady situations. Woods.
 June—July.
- 18 umbrosum. LC. In woods. Bloomingdale. July.
- 19 angustifolium. LC. In Newark meadows.
- 20 verrucosum. Muhl. Gram. In sandy soil. *Long Branch*.
 Cooper. Aug.
46. DIGITARIA. Haller. *Crab-grass*.
 1 sanguinalis. H.—Muhl.
Panicum sanguinale.
 In sandy and uncultivated fields. ☉. July. Sept. §. ?
 2 filiformis. Muhl.
Paspalus filiformis. Flugg. R. & S.
 On dry hills. Bloomingdale, &c. ☉. July—Sept.
 3? paspalodes. Mx.
Ischaemum. Muhl. Gram.
Paspalus Digitaria. Poir. Enc.
 In sandy fields. ☉. Aug.—Sept.
47. CYNODON. Rich. *Bermuda-grass*.
Dactylon. R.
Digitaria Dactylon. Muhl.
Panicum Dactylon. L.
 In cultivated grounds. Long-Island. *Eddy*. 24. July. §.
48. PASPALUM. L.
ciliatifolium. Mx. In sandy, barren soils. New-Jersey.
 Sept.
49. DACTYLIS. L. *Cock's-foot-grass*.
glomerata. L. (*Orchard-grass*.) In meadows. 24. July. §.
50. ELEUSINE. Gaert. *Dog's-tail-grass*.
Indica. Mx. (*Wire-grass*.)
Cynosurus Indica. L.
 In cultivated grounds, road sides, &c. common in the streets
 of New-York. 24. Aug.—Sept.
51. POA. *Meadow-grass*.
 1 annua. L. Fields and road sides. ☉. April. Oct.
 2 brevifolia. Muhl. Gram. In dry woods. 24. June.
 3 viridis. Muhl. Gram. In woods. 24. June—Aug.
 4 nervata. Muhl. Gram.—Willd.
striata. Mx.
lineata. Pers.
 In ditches and overflowed meadows. 24. June—July.
 5 pectinacea. Mx.
tenella. Ell. Sk. et Ph.
pilosa. Muhl. Gram.
 In meadows near Elgin garden, and on the rocks at Patter-
 son falls. ☉. Sept.
 6 reptans. Mx.
Megastachya reptans. P. de B.
 In a deep swamp behind Elgin garden. ☉. Aug.

- 7 *trivialis*. L. In meadows and pastures.—common. 24.
June—Aug. §.
- 8 *pratensis*. L. In similar situations. 24. June—Aug. §.
- 9 *compressa*. L. (*Blue-grass*.) In wood, and shady situations. 24. June—July.
- 10 *capillaris*. L. Dry stony woods. ☀. Aug.
- 11 *hirsuta*. Mx. On Long-Island near New-York. *Eddy*.
v. s. in Herb. *Eddy*.
- 12 *spectabilis*. Ph.
Megastachya spectabilis. R. & S.
On the sandy beech near Bath. Long-Island. 24. Aug.—cal.
6-14.—fl.
- 13 *palustris*. Muhl. Gram.
crocea. Mx.
In overflowed meadows. New-Jersey. 24. June.
- 14 *obtus*a. Muhl. Gram. In swamps. New-Jersey. *Eddy*.
v. s. in Herb. Ed.
52. WINDSORIA. Nutt.
1 *poaeformis*. N.
Tridens quinquefida. R. & S.
*Poa selero*ides. Mx.
quinquefida. Ph.
flava. L.
Borders of fields about Harsimus. New-Jersey. 24. Sept.
- 2 *pallida*. *Sp. nov.* In a swamp behind Elgin garden.
New-York. 24. July.
53. BRIZA. L. *Quaking-grass*.
1 *Canadensis*. Mx.
Megastachya Canadensis. R. & S.
In wet meadows. Greenwich. 24. July. *diandra*.
- 2 *eragrostis*. Schreb.
Poa megastachya. Koeler.
Megastachya Eragrostis. P. de B.
In sandy fields. Greenwich. ☀. Aug.
54. UNIOLA. L. *Spike-grass*.
1 *spicata*. L.
distichophylla. R. & S.
Festuca distichophylla. Mx.
In salt-meadows and on the sea shore. 24. Aug.—Oct.
- 2 *gracilis*. Mich.—Ph. excl.
syn. Willd.
Dried-up swamps. Long branch. New-Jersey. *Cooper*. Aug.
55. FESTUCA. L. *Fescue-grass*.
1 *tenella*. Willd.
Schenodorus tenellus. R. & S.
In sandy fields, and on rocks. ☀. June—July.
- 2 *duriuscula*. L. In pastures. 24. June—Aug. §.
- 3 *elator*. L.
Schenodorus elator. R. & S.
In wet meadows. 24. June—July.
- 4 *fluitans*. Schreb.—L.

Poa. fluitans. Sm.

In ditches and overflowed grounds. 24. June—July.

5 *nutans.* Willd. On rocky shady hills. Hoboken, &c. 24. June—July.

56. *BROMUS.* L. *Brome-grass.*

1 *secalinus.* L. (*Chess or Cheat.*) In grain fields. ☼.
July—Aug. §.

2 *purgans.* L. Fields and road sides. 24. July. §?

3 *mollis.* L. In fields and pastures. July.

4 *pubescens.* Muhl. Gram. In woods. 24. June—July.

5 *ciliatus.* L.

Canadensis. Mx.

In moist rocky situations. 24. July.

57. *ARISTIDA.* L.

1 *dichotoma.* Mx.

Curtopogon dichotomum. P. de B.

In gravelly fields and on rocks. 24. Sept.

2 *racemosa.* Muhl. Gram. Sandy fields. Long-Island and Staten Island.—Sept.

58. *STIPA.* L. *Feather-grass.*

avenacea. L. Walt.

barbata. Mx.

Virginica. Pers.

In sandy pine woods near South-Amboy. N. Jersey. 24. June.

59. *ARUNDO.* L. *Reed-grass.*

1 *Phragmites.* L. About Elizabethtown and on Coney Island. 24. July.

2 *agrostoides.* Ph.

Agrostis? *glauca.* Muhl. Gram.

In swamps. New-Jersey. Ed. v. s. in *Herb. Edd.*

60. *AVENA.* L. *Oat-grass.*

Pennsylvanica. L.

Trisetum Pennsylvanicum. P. de B.

In woods among rocks. 24. July.

61. *DANTHONIA.* Decand.

spicata. Nutt.

Avena spicata. L. Muhl.

In dry open woods. 24. July.

62. *ANDROPOGON.* L. *Beard-grass.*

1 *purpurascens.* Muhl. Gram.

scoparius. Mx.

Pollinia scoparia. Spreng.

Dry barren soils. 24. Aug.

2 *Virginicus.* Muhl. Gram.

argenteus. Ell.

Anatherum Virginicum. Spreng. (*Broom-grass.*)

In exsiccated swamps. 24. Sept.

3 *nutans.* L.—Muhl. Gram.

avenaceus. Mx.

In arid soils. 24. Sept.

4 *macrourus.* Mx. In swamps. New-Jersey. 24. Sept.

- 5 furcatus. L. Muhl. Gram. In sandy fields. New-Jersey.
24. Sept.
63. ELYMUS. L. *Lyme-grass.*
1 Virginicus. L. On the banks of the Hudson near Greenwich. 24. July.
2 striatus. L. (*Wild Rye.*) Rocky hills. Hoboken. 24. July.
3 glaucifolius. Willd. On the rocky shore at Hoboken. 24. Aug.
4 Hystrix. L. On the rocky hills near Hoboken. 24. July—Aug.
64. TRITICUM. L. *Wheat.*
repens. L. (*Couch-grass.*) In meadows and grass plots. 8. June—Aug.
var. aristata. Grows in similar situations, but is much more common.
65. LOLIUM. L. *Darnel.*
perenne. L. (*Rye-grass.*) On the banks of the Hudson. rare. 24. June.

TRIGYNIA.

66. PROSERPINACA. L.
palustris. L. In ditches, &c. Bloomingdale. 24. July—Aug.
67. MOLLUGO. L. *Indian Chickweed.*
verticillata. (*Carpet Weed.*) In sandy fields and cultivated grounds. 24. July—September. white.
68. QUERIA. L. *Forked Chickweed.*
Canadensis. L.
Anychia dichotoma. Mx.
On rocks, and in dry woods. 24. June—Aug.
69. LECHEA. L. *Pin-weed.*
1 major. L. On dry rocky hills. 24. Aug.
2 minor. L. On sandy hills, and on rocks. 24. July—Sept.
3 racemulosa. Mx. In similar situations. 24. Aug.
4 thymifolia. Mx? Ph. On Long Island, near the sea shore.
Dr. Townsend.



TETRANDRIA.

MONOGYNIA.

70. CEPHALANTHUS. L. *Button-bush.*
occidentalis. L. In swamps, and on the banks of creeks and ditches. 24. July—Aug. white.
71. DIPSACUS. L. *Teazel.*
sylvestris. L. (*Wild.*) In uncultivated fields. 8. July.
blue. 5.

72. SPERMACOCE. *Button-weed.*
 diodina. Mx. Near Patterson Falls. N. J. Eddy. v. s.
73. PLANTAGO. L. *Plantain.*
 1 cordata. Lmk.
 Kentuckensis. Mx.
 In a swamp near Clark's woods, 3 miles from the city. 24.
 June.
 2 major. L. (common.) In fields, gardens, &c. 24. July
 —Aug. §?
 3 Virginica. L. On dry hills. 24. April—July.
 4 lanceolata. L. (*Rib-wort.*) In pastures and on road
 sides. 24. May—Sept.
 5 maritima. L? In salt marshes. 24. Aug.
74. SANGUISORBA. L. *Burnet Saxifrage.*
 Canadensis. L. In bog-meadows. New-Jersey. 24. Aug.
 —Oct. white.
75. { CEN TAURELLA. Mich.
 { CEN TAURIUM. Pers.
 { BARTONIA. Muhl.
 { ANDREWSIA. Spreng.
 paniculata. Mx.
 autumnalis. Ph.
 Centaurium autumnale. Pers.
 Sagina Virginica. Willd.
 Bartonia tenella. Muhl.—Pers.
 paniculata. Muhl.—Eat.
 Andrewsia paniculata. Bart. Fl. Philad.
 In bog meadows, and sphagnous swamps. N. Jersey and
 N. York. August. white. It is very often one-flowered.
76. HOUSTONIA. L. *Venus's Pride.*
 1 caerulea. L.
 Linnei. Mx.
 In moist rocky situations. New-Jersey. 24. May—June.
 blue.
 2 purpurea. L.
 varians. Mx.
 In woods. New-Jersey. 24. June. purple.
77. MITCHELLA. L. *Partridge-berry.*
 repens. L. In woods about the roots of trees. 24. June.
 white.
78. GALIUM. L. *Ladie's bed-straw. Cleavers.*
 1 tinctorium. L. In wet meadows and swamps. rare. 24.
 July—Aug. white.
 2 asprellum. Mx. In similar situations. Hoboken. July.
 white.
 3 tufidum. Willd.
 Claytoni. Mx.
 In wet shady places. 24. June—Septem. white.
 4 aparine. L. In woods among rocks. ☉. May—July. white.
 5 micranthum. Ph. On the sides of rocky hills. rare. June.
 white.

On the barren hills about Kingsbridge. New-York. 24. July
—Aug. white.

6 triflorum. Mx. In similar situations. Hoboken and New-York. 24. July—Sept.

7 pilosum. Willd. With the preceding. 24. July—Oct. purple.

8 circaezans. Mx.
brachiatum. Muhl.

In dry woods, and on rocks. 24. July. white or purple.
var ? lanceolatum. *foliis lanceolatis, &c.* With preceding.

9 strictum. Eddy.
boreale. Ph. non Willd.

In pine barrens. New-York and N. Jersey. Ed. 24. Aug.
white.

79. CORNUS. L. *Dog-wood.*

1 Canadensis. L. In the cedar swamp. New-Durham. N. Jersey. 24. June—July. white.

2 florida. L. (*common.*) In woods. 1/2. May—June. white.

3 sericea. Willd. (*Swamp Dog-wood. Red-willow.*)
lanuginosa. Mx.

In wet woods and swamps. 1/2. May—June. white.

4 circinata. l'Her.
tomentulosa. Mx.

In woods. Generally in rocky situations. N. J. 1/2. June—
white.

5 stricta. l'Her.
fastigiata. Mx.

In wet woods. 24. July. white.

6 alba. Willd.
stolonifera. Mx ?

Woods near Hoboken. 24. June. white. Berries white.

7 alternifolia. L. In woods. New-Jersey. About New-Durham. June. 1/2. white.

80. LUDWIGIA. L. *Bastard Loose-strife.*

1 macrocarpa. Mx.
alternifolia. L.

In swamps. 24. July.—Aug. yellow.

2 palustris. Ell. (*Water Purslane.*)
nitida. Mx.

Isnardia palustris. L.

Floating in ponds and ditches, on wet ground. ☼. Aug.—
Sept.

81. AMMANNIA. L.

ramosior. Mx. ? On the muddy banks of creeks, in Hackensack meadows. Aug. purple.

82. POTHOS. L.

foetida. Mx. (*Skunk Cabbage. Clumpfoot Cabbage.*)

Dracontium foetidum. L.

Symplocarpus foetida. Salisb.

In wet boggy meadows. 24. March 20.—May.

PENTANDRIA. MONOGYNIA.

DIGYNIA.

83. HAMAMELIS. L. *Witch Hazel.*
 Virginica. L. In woods. $\frac{1}{2}$. Sept.—Oct. yellow.

TETRAGYNIA.

84. ILEX. L. *Holly.*
 opaca. Ait. On Long Island near Plandome. (Dr. Mitchill.) $\frac{1}{2}$. June.
85. POTAMOGETON. L. *Pond-weed.*
 1 perfoliatum. L. In ponds and creeks. $\frac{1}{4}$. Aug.
 2 fluitans. L. In similar situations. $\frac{1}{4}$. July—Aug.
 3 natans. L. In creeks. N. Jersey & L. Island. July—Aug.
 4 lucens. Mx. In creeks. $\frac{1}{4}$. July—Aug.
 5 pauciflorum. Ph.
 gramineum. Mx.
 In the Passaic river and elsewhere. $\frac{1}{4}$.
 6 heterophyllum. Willd.
 porcatum. Muhl. (Bart.)
 In ponds and deep stagnant waters. $\frac{1}{4}$. Aug.
86. RUPPIA. L. *Sea-tassel-grass.*
 maritima. L. In shallow salt water bays. $\frac{1}{4}$.



PENTANDRIA.

MONOGYNIA.

87. MYOSOTIS. L. *Scorpion-grass. Mouse-ear.*
 1 palustris. Roth.
 scorpioides. Willd ?
 In ditches and slow flowing creeks. $\frac{1}{4}$. May—Oct. blue.
 2 arvensis. L.
 Lithospermum tenellum. Raf. (*Forget-me-not.*)
 In open woods, and wet meadows. ☼. May—June. white.
 3 Virginiana. L. On hills. Near Hoboken. ☼. July—
 Aug. white.
 4 Lappula. L. Road sides, and in old fields. ☼. May—
 Oct. blue. § ?
88. LITHOSPERMUM. L. *Gromwell.*
 arvense. L. In neglected fields. ☼. May—July. white. §.
89. CYNOGLOSSUM. L. *Hound's-tongue.*
 1 officinale. L. Road sides. $\frac{1}{4}$. ♂. May—July. blue. §.
 2 virginianum. L.
 amplexicaule. Mx.
 On the sides of shady rocky hills. $\frac{1}{4}$. June. pale blue.
90. ONOSMODIUM. Mich.
 hispidum. Mx.
 Lithospermum Virginianum. L.
 Purshia hispida. Spreng. Bart. Fl. Phil.

On the barren hills about Kingsbridge, New-York. $\frac{1}{2}$. July—Aug. white.

91. *ECHIU*M. L. *Viper's bugloss.*
vulgare. L. (*Blue-thistle*.) On road sides. New-Jersey.
 δ . July—Oct. purple.
92. *HYDROPHYLLUM*. L. *Water-leaf.*
Virginicum. L. Rocky shady hills. New-Jersey. $\frac{1}{4}$. June—July. white.
93. *MENYANTHES*. L. *Buck-bean.*
trifoliata. L. (*Marsh trefoil*.) In bogs and on the borders of ponds. $\frac{1}{4}$. June. white.
94. *VILLARSIA*. Gmelin.
trachysperma. Ell.
lucunosa. Vent.
Menyanthes trachysperma. Mx.
 In ponds. Long-Island and N. Jersey. *Eddy*. $\frac{1}{4}$. Aug. white.
95. *SAMOLUS*. L. *Brook-weed. Water-pimpernel.*
Valerandi. L. On the borders of salt marshes. $\odot$. June—Oct. white.
96. *ANAGALLIS*. L. *Pimpernel.*
arvensis. L. (*Poor man's weather-glass*.) In dry fields and on road sides. $\odot$. June—Sept. red.
97. *LYSIMACHIA*. L. *Loose-strife.*
 1 *racemosa*. Mx.
stricta. Ait.
bulbifera. Curt. Mag.
 In swamps. $\frac{1}{4}$. July—Aug. yellow.
 2 *capitata*. Ph.
thyrsiflora. Mx.
 In salt marshes near New-York. (Pursh.) In the cedar swamp at New-Durham. N. J. $\frac{1}{4}$. June. yellow.
 3 *quadrifolia*. L.
hirsuta. Mx. Ell.
 In meadows. $\frac{1}{4}$. June—July. yellow.
 4 *ciliata*. Mx. In moist places along hedges. $\frac{1}{4}$. July—Aug. yellow.
 5 *hybrida*. Mx. In Newark meadows, &c. $\frac{1}{4}$. July. yellow.
98. *DIAPENSIA*. L.
barbulata. Ell.
cuneifolia. Ph.
Pyxidanthera barbulata. Mx.
 In sandy pine woods. New-Jersey. $\frac{1}{2}$. May. white.
99. *CONVOLVULUS*. L. *Bind-weed.*
 1 *repens*. L. Mx.
Calystegia Sepium. Ph.
 In hedges, in moist situations. $\frac{1}{4}$. July. white and red.
 2 *sagittifolius*. Mx.
speciosus. Walt. Muhl.
 On the island of New-York. *LeConte*.
 3 *panduratus*. L. (*Mechoacanna. Wild-potatoe. Man of the earth*.) On the island of New-York, near Kingsbridge. *Cooper*. $\frac{1}{4}$. July. white.

- 4 stans. Mx. Borders of woods, &c. 24. June. white.
100. PHLOX. L.
 setacea. L. (*Mountain pink.*) On hills, in rocky situations. N. Jersey 24. May. blue.
101. CAMPANULA. L. *Bell-flower.*
 1 rotundifolia. L.? On the banks of rivulets among rocks. 24. June—Sept. blue.
 2 amplexicaulis. Mx.
 perfoliata. L.
 In fields and on the sides of hills. ☉. May—Aug. blue.
 3 aparinoides. Ph.
 erinoides. Muhl.—Ell.
 flexuosa. Mx.?
 aspera. Donn. (Muhl.)
 In wet meadows. N. J. near Elizabethtown. Dr. Eddy. ☉.
 July—Aug. pale blue.
102. THESIMUM. L. *Bastard toad-flax.*
 umbellatum. L.
 corymbulosum. Mx.
 Comandra umbellata. Nutt.
 On rocks and barren hills. 24. July—Aug. white.
103. AZALEA. L. *Dwarf, or upright honey-suckle.*
 1 viscosa. L. In woods. 1/2. June—July. white.
 2 nudiflora. L.
 periclemynoides. Mx. (*Pinxter-bloom.*)
 In woods, and on rocky hills. 1/2. May—July. red.
104. LONICERA. L. *Woodbine. Honey-suckle.*
 1 parviflora. Lmk. Pers.
 dioica et media. L.
 Caprifolium bracteosum. Mx.
 parviflorum. Ph.
 In shady places near creeks. Haerlem. 1/2. June. yellow.
 2 grata. Ait.
 Caprifolium gratum. Ph.
 In the cedar swamp at New-Durham. N. Jersey. 1/2.
105. DIERVILLA. Tourn.
 lutea. Ph.
 Tournefortii. Mx.
 humilis. Pers.
 Canadensis. Muhl.—Ell.
 Lonicera Diervilla. L.
 In rocky woods. Bloomingdale, &c. 1/2. June—July. yellow.
106. TRIOSTEUM. L. *Fever-root.*
 perfoliatum. L. (*Gentian.*)
 Majus. Mx.
 On hills near Hoboken. Woods, Long-Island. 24. June. purple.
107. VERBASCUM. L. *Mullein.*
 1 Thapsus. L. (*Shepherd's staff.*) On road sides and in old fields. 1/2. July—Sept. yellow. §?
 2 Blattaria. L. (*Moth-mullein.*) In fields, &c. 1/2. July—Sept. yellow. §?

- var. alba. With the former. white.
108. **DATURA.** L. *Thorn-apple. Stink-weed.*
Stramonium. L. Among rubbish and on road sides. ☼.
 June—Oct. white.
 var. Tatula.
D. Tatula. L.
 With the former. white.
109. **HYOSCYAMUS.** L. *Henbane.*
niger. L. (Common.) Road sides, &c. near Westchester.
 ☼. July—Aug. yellow.
110. **PHYSALIS.** L. *Ground-cherry. Winter-cherry.*
 1 **Pennsylvanica.** L. In woods. Bloomingdale and Hoboken. 24. July. yellowish.
 2 **viscosa?** L. In woods and sandy fields. 24. Aug. yellowish.
111. **SOLANUM.** L. *Night-shade.*
 1 **Dulcamara.** L. (*Bitter-sweet.*) In hedges. 2. June—Sept. blue. §.
 2 **alatum.** LC.
nigrum. var. **virginicum.** L.
 In fields. Greenwich. ☼. June—Oct. white.
112. **RHAMNUS.** L. *Buck-thorn,*
franguloides. Mx.
alnifolius. Willd.
 On woody hills. New-Jersey. 2. June. green.
113. **CELASTRUS.** L. *Staff-tree. Bitter-sweet. Wax-work.*
scandens. L. Climbing in woods. 2. June. white.
114. **EVONYMUS.** L. *Spindle-tree.*
Americanus. Willd. (*Burning-bush. Strawberry-tree.*)
 In woods. New-Jersey. 2. June. purple.
115. **CEANOTHUS.** L. *New-Jersey-tea.*
Americanus. L. (*Red-root.*) In woods and copses. 2.
 July. white.
116. **AMPELOPSIS.** Mx. *False-grape. Creeper.*
quinquefolia. Mx.
Cissus hederacea. Pers.
Hedera quinquefolia. L.
Vitis quinquefolia. Lmk.
hederacea. Willd.
 Climbing in woods, or creeping on rocks. 2. July—Aug. greenish.
117. **VITIS.** L. *Vine. Grape.*
 1 **Labrusca.** L. (*Fox-grape.*) In woods and hedges. 2.
 June. greenish.
 2 **vulpina.** L. (*Winter-grape.*)
cordifolia. Mx.
 In woods. 2. June. greenish. berries green.
 3 **riparia.** Mx.
odoratissima. Donn.
 On the island of New-York. *LeConte.*

- 4 *aestivalis*. Mx. (*Summer-grape*.)
intermedia. Muhl. Cat.
 In woods and hedges. $\frac{1}{2}$. June—July. greenish. berries
 purple.
118. *RIBES*. L. *Currant*. *Gooseberry*.
recurvatum. Mx.—Ph.
floridum. L.
Pennsylvanicum. Lmk.
 In woods, and moist shady places. $\frac{1}{2}$. May. pale yellow.
119. *CLAYTONIA*. L.
Virginica. L. In woods and moist shady places. $\frac{1}{4}$. April
 —June. white and pink.
120. *VIOLA*. *Violet*.
 1 *palmata*. L. In meadows and woods. $\frac{1}{4}$. May. blue.
 2 *pedata*. L. In woods and among rocks. $\frac{1}{4}$. May—
 June. blue.
 3 *sagittata*. Ait. Hills, among rocks. $\frac{1}{4}$. May—June.
 4 *lanceolata*. L. Wet meadows and borders of ponds.
 May—Nov. white.
 5 *blanda*. Willd. In bog meadows and in woods. $\frac{1}{4}$. May
 —June. white.
 6 *ovata*. Nutt.
primulifolia. Ph.
 On dry hills. $\frac{1}{4}$. May. blue.
 7 *primulifolia*. L. In meadows and along ditches. $\frac{1}{4}$.
 May. white.
 8 *cucullata*. L. In fields and open woods. $\frac{1}{4}$. April—
 Oct. blue.
 9 *Canadensis*. L. Shady woods. $\frac{1}{4}$. July. blue.
 10 *uliginosa*. Muhl.
striata. Ph.?
 Moist shady places. Hills near Hoboken. *Cooper*. $\frac{1}{4}$. June,
 blue.
 11 *pubescens*. Ait.
Pennsylvanica. Mx.
 Shady woods and on the sides of hills. April—May. yellow.
 12 *bicolor*. Ph.
tenella. Muhl. Cat. (Raf.)
arvensis. Ell.
 On the rocky hills near Bergen. *Knevels*. Woods near Wee-
 hawk. ☉. May. white or pale blue. Frequently apetalous.
121. *IMPATIENS*. L. *Jewel-weed*. *Touch-me-not*. *Balsam*.
 1 *pallida*. Nutt.
nolitangere. L.?
aurea. Muhl. Cat.?
 Wet shady places. ☉. July—Sept. orange-spotted.
 2 *fulva*. Nutt.
biflora. Walt.
maculata. Muhl. Cat.
Nolitangere. B. Mx.
 In similar situations. ☉. July. orange.

122. LOBELIA. L.

1 Kalmii. L. On the island of New-York. *LeConte*.

2 pallida. Muhl. In damp woods. Long-Island, three miles from Brooklyn. ☼. July—August. pale blue.

3 Claytoniana. Mx. On the hills at Weehawk, &c. ☼. July—Aug. pale blue.

4 inflata. L. (*Indian tobacco*.) In fields and pastures. 24. July—Sept.5 cardinalis. L. (*Cardinal flower*.) Wet meadows and shady thickets. 24. July—Sept. scarlet.

6 siphilitica. L. In wet boggy meadows. New-York. 24. Aug.—Sept. blue.

123. SABBATIA. Adanson.

1 gracilis. Salisb.

Chironia campanulata. L.

gracilis. Mx.

In wet meadows. New-York. ♂. Aug. red.

2 stellaris. Ph.

gracilis. Ell.

In salt marshes and on the sea coast. 24 ? Aug.—Oct. rose-coloured.

3 angularis. Ph. (*American centaury*.)

Chironia angularis. L.

In wet meadows. New-York and Long-Island. ☼. Aug. red.

4 chloroides. Ph.

Chironia chloroides. Mx.

Chlora dodecandra. L.

In Hackensack meadows. *Dr. Eddy*. v. s. 24. Aug. red.

5 paniculata. Ph.

Chironia paniculata. Mx.

Swertia difformis. L. (Ph.)

In bog meadows. 24. July. white.

DIGYNIA.

124. APOCYNUM. L.

Dog's bane.

1 androsaemifolium. L. Br. Along hedges. Greenwich. 24. June—July. pale red.

2 pubescens. Br. (*Indian hemp*.)

cannabinum. Mx. Ph.

Borders of fields. Brooklyn, &c. Long-Island. 24. June—Aug. greenish.

3 cannabinum. Ell. Br. ?

hypericifolium. Ait.

On the banks of the Hudson, near Manhattanville. 24. July. greenish.

125. ASCLEPIAS. L. *Swallow-wort. Silk-weed. Milk-weed.*1 Syriaca. L. (*Silk-plant*.) Fields and moist meadows. 24. July—Aug. purple.

2 phytolaccoides. Lyon. Ph.

- exaltata. Muhl. Cat. (Bart.)
 acuminata. Muhl. Cat. (Bart.)
 In meadows. New-Jersey. *Eddy*. v. s. 24. July.
 3 variegata. Walt. L.
 hybrida. Mx.
 In the woods at Bloomingdale. 24. July. white.
 4 amoena. L. In meadows. New-Jersey. July. purple.
 5 incarnata. L.
 1. var. pulchra.
 2. var. glabra.
 A. bombazina. Whitlow.
 In swamps and on river banks. 24. July—Aug. purple.
 6 purpurascens. L. In low wet places. 24. July. purple.
 7 quadrifolia. Jacq. (Ph.) In rocky woods. 24. June—
 July. white. pale red.
 8 tuberosa. L. (*Butterfly-flower*.)
 decumbens. Walt. L.
 In fields and woods. 24. Aug. orange.
 9 verticillata. L. On the rocks at Passaic falls. 24. July.
 white.
126. GENTIANA. L. *Gentian*.
 1 Saponaria. L.—Ph. *excl. syn.* Walt. In meadows. Man-
 hattanville. 24. Sept.—Oct. blue.
 2 ochroleuca. Willd.
 saponaria. Mx.
 In fields. New-Jersey and Long-Island. *Eddy*. 24. Aug.
 —Sept. yellowish.
 3 angustifolia. Mx. In the pine barrens of New-Jersey,
 24. Oct. blue.
 4 crinita. Willd.
 fimbriata. Andr. Bot. Rep.
 In low meadows. New-York. Toteway mountains. New-
 Jersey. 24. Sept.—Oct. blue.
 5 quinqueflora. Willd.
 quinquefolia. L.
 Amarylloides. Mx.
 In woods near Elizabethtown, New-Jersey. *Eddy*. 24. Aug.
 blue.
127. CUSCUTA. L. *Dodder*.
 Americana. Willd. Twining round stems of plants, in
 wet grounds. ☉. July—Sept. yellow.
128. HEUCHERA. L. *False sanicle*,
 Americana. Murr. (*Alum-root*.)
 Cortusa. Mx.
 viscida. Ph.
 Shady rocky situations. 24. June—July. red.
129. CHENOPODIUM. L. *Goose foot*.
 1 album. L. (*Lamb's quarters*.) In fields and cultiva-
 ted grounds. ☉. June—Oct. green.
 var. viride. (*C. viride*. L.) In similar situations. ☉.
 June—Oct.

- 2 Botrys. L. (*Jerusalem oak.*) In sandy fields. ☉. July—Sept.
- 3 anthelminticum. L. (*Wormseed.*) In sandy fields. ☉. Aug.
- 4 ambrosioides. Willd. Fields and road sides. ☉. Aug.—Oct.
130. ATRIPLEX. L. *Orache.*
- 1 hortensis. L. In cultivated grounds. ☉. Aug.
- 2 laciniata. L. On the sea coast, and in salt marshes. ☉. Aug.—Sept.
- 3 arenaria. Nutt.
patula. Muhl. Cat. ?
On the sandy shores near New-York. ☉. Aug.—Oct.
131. SALSOLA. L. *Salt-wort.*
- 1 Caroliniana. Mx.
Kali B. Caroliniana. Nutt.
In gravelly waste places in the city of New-York, and on the shores of the harbor. ☉. July—Sept.
- 2 salsa B ? Americana. Pers.
salsa. Mx. Nutt.
Chenopodium maritimum. Ph. ?
In salt marshes near Brooklyn. Aug.—Sept.
132. ULMUS. L. *Elm.*
- 1 fulva. Mx. (*Slippery elm.*)
aspera. Muhl.
rubra. Mx. f.
On the rocky hills near Hoboken. ♀. April.
- 2 Americana. Mx. In woods, &c. ♀. April.
133. CELTIS L.
occidentalis. L. (*Beaver-wood. Hoop ash.*) In rocky woods. ♀. May. white.
134. PANAX. L. *Ginseng.*
- 1 trifolium. L. In moist shady woods. 4. April—May. white.
- 2 quinquefolium. L. (*Ginseng.*) Opposite Fort Montgomery, on the Hudson. 4. July. greenish.
135. HYDROCOTYLE. L. *Penny-wort. Water navel-wort.*
- Americana. L. In wet places, near springs, and in woods. 4. June—Aug.
136. SANICULA. L. *Sanicle.*
- Marylandica. L. (*Black snake root.*) In woods, &c. ♂. June—Aug. greenish.
137. DAUCUS. L. *Carrot.*
- Carota. L. (*Wild carrot.*) In old fields. ♂. June—Aug. white. §.
138. AMMI. L. Spreng. *Bishop's weed.*
- capillaceum. Mx.
majus. Walt. ?
In bog meadows near the salt water. ☉ ? July—Oct. white.
139. CONIUM. L. *Hemlock.*
- maculatum. L. (*Cicuta.*) On road sides. Long-Island. ♂. July. white. §.

140. **ERYNGIUM.** L. *Eryngo. Sea holly.*
 Virginianum. Lmk.
 aquaticum. Mx.
 Borders of the salt meadows at Hoboken. ♂.
141. **HERACLEUM.** L. *Cow parsnep.*
 lanatum. Mx. Borders of salt marshes. Hoboken. ♀.
 July. white.
142. **ANGELICA.** L. Spreng.
 1 triquinata. Mx.
 Ferrula Canadensis. L.
 villosa. Ph.
 In dry woods and on the sides of hills. ♀. July—Aug. white.
 2 atropurpurea. L.? (*Common angelica.*)
 triquinata. Big.
 In wet meadows. Hoboken. ♀. June. greenish-white.
143. **SIUM.** L. *Water parsnep.*
 1 latifolium. L. In wet meadows and marshes, about Hoboken. ♀. July—Sept. white.
 2 lineare. Mx. In similar situations. New-Durham. ♀.
 Aug.—Sept. white.
144. **MYRRHIS.** Tourn. Spreng.
 Canadensis. Nutt.
 Sison Canadense. L.
 Chaerophyllum Canadense. Pers.
 In shady rocky woods. ♀. June. white.
145. { **URASPERMUM.** Nutt.
 { **MYRRHIS.** Mich.
 Claytoni. Nutt. Mx. (*Sweet cicely.*)
 Chaerophyllum Claytoni. Pers.
 Myrrhis dulcis. Eaton.
 Scandix dulcis. Muhl. Cat.
 On rocky woody hills. ♀. May. white.
146. **CHAEROPHYLLUM.** L. Spreng. *Wild chervil.*
 procumbens. L.
 Scandix procumbens. Muhl. Cat.
 On the hills near Hoboken. ☼. June. white.
147. **ŒNANTHE.** L. Spreng. *Water dropwort.*
 rigida. Nutt.
 Sium rigidius. L.
 Sison marginatum. Mx.
 In swamps. Fairfield. New-Jersey. ♀. Sept. white.
148. **CICUTA.** L. *Water hemlock. Cowbane.*
 1 bulbifera. L. Borders of the salt-meadows. Hoboken.
 ♀. Aug. white.
 2 maculata. L. (*Poison hemlock.*) Wet meadows, and
 swamps. ♀. July—Aug. white.
149. **PASTINACA.** L. *Parsnep.*
 sativa. L. (*Common.*) In fields and waste places. ♂.
 July—Sept. yellow. §.
150. **SMYRNIUM.** L. Spreng. *Alexanders.*
 1 cordatum. Walt. Mx.

trifoliatum. Muhl. Cat.

Thapsia trifolia. L.

On the hills near Hoboken. 2. May—July. yellow.

2 intergerrimum. L. Fields and meadows. New-Jersey.

2. June. yellow.

151. THASPIUM. Nutt.

aureum. Nutt.

Smyrnum aureum. L.

On rocky hills. 2. June. yellow.

TRIGYNIA.

152. RHUS. L.

Sumach.

1 typhinum. L. (*Stag's horn.*) In rocky hilly situations.
2. June. greenish.

2 glabrum. L. (*Common.*) In hedges, thickets, &c. 2.
July. greenish.

3 copallinum. L. (*Mountain sumach.*) In dry woods. 2.
July. greenish.

4 vernix. L. (*Swamp sumach. Poison elder.*) Swamps
and wet woods. 2. June. greenish.

5 Toxicodendron. L. (*Poison oak.*) In woods. 2. June
—July.

B. radicans.—vulgare. Mx.

R. radicans. L.

Climbing on trees, in woods. 2. June. greenish.

153. VIBURNUM. L.

1 prunifolium. L. (*Black haw.*) In woods and hedges.
2. May—June. white.

2 Lentago. L. In woods. N. Jersey. 2. May. white.

3 nudum. L. In swamps. 2. June. white.

4 dentatum. L. (*Arrow wood.*) In woods and along
ditches. 2. June—July. white.

5 pubescens. Ph.

V. dentatum, pubescens. Ait.

On rocky hills. 2. June—July. white.

6 acerifolium. Willd. In woods and copses. 2. May—
June.

7 Lantanoides. Mx. (*Hobble bush.*) Rocky woods. Man-
hattanville, &c. 2. June. white.

154. SAMBUCUS. L.

Elder.

Canadensis. L. In hedges and swamps. 2. May—Ju-
ly. white.

155. STAPHYLEA. L.

Bladder nut.

trifolia. L. In rocky shady woods. 2. May—June.
white.

156. SAROTHA. Lmk.

Nit-weed.

Gentianoides. L. (*Ground pine.*)

Hypericoides. Nutt.

Hypericum Sarothra. Mx.

In dry sandy fields. 2. June—Aug. yellow.

HEXANDRIA. MONOGYNIA.

TETRAGYNIA.

157. **PARNASSIA.** L. *Grass of Parnassus.*
 Caroliniana. Mx.
 Americana. Muhl. Cat.
 In wet boggy woods. 24. Aug. white.

PENTAGYNIA.

158. **ARALIA.** L.
 1 racemosa. L. (*Spikenard.*) In shady woods. Long-
 Island, &c. 24. July—Aug. white.
 2 nudicaulis. L. (*Wild sarsaparilla.*) In rich soils among
 rocks. 24. May—July. greenish.
159. **STATICE.** L. *Marsh rosemary, Thrift.*
 Limonium. L. ?
 Caroliniana. Ph.—Walt. ?
 In salt marshes, and on rocky shores. 24. Aug.—Oct. blue.
160. **LINUM.** L. *Flax.*
 Virginianum. L. On rocky hills. ☼. July—Aug.
 yellow.
161. **DROSERA.** L. *Sun-dew.*
 1 rotundifolia. L. In the cedar swamps at New-Durham,
 among sphagnum. 24. (☼. Ell.) July—Aug. white.
 2 longifolia. L.
 Americana. Muhl.
 Grows in company with the preceding species, but is much
 more rare. 24. It has not been observed in flower.
 3 filiformis. Raf. in Med. Rep. 1809. vol. 2. p.—First dis-
 covered by Mr. Rafinesque on the sea shore of New-
 Jersey. It is common on the head waters of all the
 small rivers which arise in the pine barrens of New-
 Jersey, and empty into the Atlantic. *D. filiformis.* Ph.
 and *tennifolia*, of Muhl.



HEXANDRIA.

MONOGYNIA.

162. **PONTEDERIA.** L. *Pickerel weed.*
 cordata. L. In creeks and ponds. New-Jersey and Long-
 Island. 24. Aug.—Sept. blue.
163. **ALLIUM.** L. *Onion. Garlick, &c.*
 1 vineale. L. Meadows and brook sides. 24. July. purple. § ?
 2 Canadense. L. (*Wild garlick.*) In fields and mead-
 ows. 24. July—Sept. pink.
164. **LILIUM.** L. *Lily.*
 1 Philadelphicum. L. (*Red lily.*) In shady woods.
 Bloomingdale. 24. June—July. orange.

- 2 Canadense. L. In the meadows about Hoboken. 24.
June—July. orange.
- 3 superbum. L. (*Turk's cap.*) In wet meadows, and
swamps. 24. June—July. orange spotted with red.
165. UVULARIA. L. *Bell-wort.*
- 1 perfoliata. L. In moist shady places. 24. May—June,
yellowish.
- 2 sessilifolia. L. In similar situations. 24. May—June,
yellowish.
166. ERYTHRONIUM. L. *Dog's-tooth violet.*
Americanum. Smith. Cyclop. (*Adder's tongue.*)
longifolium. Poir.
lanceolatum. Ph.
Dens Canis. Mx.
In woods and wet shady grounds. 24. April—May. yellow.
167. HYPOXIS. L. *Star-grass.*
erecta. L.
Caroliniana. Mx.
graminea. Ph.
In open woods and in meadows. 24. May—Oct. yellow.
168. ORNITHOGALUM. L. *Star of Bethlehem.*
umbellatum. L. In wet meadows. 24. May. white. §.
169. NARTHECIUM. L.
Americanum. Ker.
Phalangium ossifragum. Muhl.
In bogs of the pine barrens of N. Jersey. Ed. 24. July—
Aug. yellow.
170. ASPARAGUS. L.
officinalis. L. On sandy shores. 24. June. yellow. §.
171. SMILACINA. Desf.
1 bifolia. D.
Canadensis. Ph.
Convallaria bifolia. L. Mx.
In wet meadows and woods. 24. May—June. white.
- 2 stellata. Desf.
Convallaria stellata. L.
In wet meadows. 24. May—June. white.
- 3 racemosa. Desf. On rocks and in woods. 24. May—
June. white.
172. POLYGONATUM. Desf. *Solomon's seal.*
1 multiflorum. D.
Convallaria multiflora. L.
On dry rocky hills. 24. June—July. yellowish-white.
- 2 pubescens. Ph.
Convallaria pubescens. Willd. Enum.
On rocks. Common. 24. June—July. greenish-white.
- 3 canaliculata. Ph.
Convallaria canaliculata. Willd.
polygonatum. Muhl. Cat.
On the island of New-York. Le Conte.
173. ALETTRIS. L. *Blazing star. Colic root.*
alba. Mx.

- farinosa. L.
 In woods and meadows. New-York, and New-Jersey. 24.
 July. white.
175. ORONTIUM. L. *Floating arum.*
 aquaticum. L. In creeks and swamps. Bergen, &c. N.
 Jersey. May. 24. yellow.
 var. angustifolium. Ph. In salt-marshes near N. York.
176. ACORUS. L. *Sweet flag. Calamus.*
 Calamus. L. In pools and borders of ponds. 24. June.
177. JUNCUS. L. *Rush.*
 1 effusus. (*Bog or Bulrush.*) Low wet grounds. 24.
 June—Aug.
 2 aristatus. Mx.
 marginatus. Muhl. Gram.
 Meadows. Greenwich. 24. June. *J. marginatus.* Roth.?
 3 acuminatus. Mx.
 sylvaticus. Muhl. Gram. non Willd.
 Borders of salt marshes. 24. Aug.
 4 bulbosus. Muhl. Gram.
 dichotomus. Ell. Sk.?
 In salt marshes. Greenwich, &c. 24. July.
 5 nodosus. Roth.—Muhl. Gram. In swamps. 24. June.
 6 polycephalus,
A. crassifolius. Mx.
 nodosus,
B. polycephalus. Pers.
 echinatus. var. 1. Muhl. Gram. non. Ell. Sk.
 In overflowed boggy meadows. 24. Aug.
 7 tenuis. Roth. Muhl. Gram.
 bicornis. Mx.
 In low situations, in stiff soils—sometimes in very dry places.
 24. June—July.
 8 bufonius. L. Borders of salt marshes, in water. 24.
 July—Aug.
178. LUZULA. Willd. Enum.
 campestris. W.
 Juncus campestris. Auct.
 In meadows and woods. 24. April—May.
179. CAULOPHYLLUM. Mich. *Poppoose-root.*
 thalictroides. Mx.
 Leontice thalictroides. L.
 In shady, rocky situations. 24. May—June. yellowish-green.
180. BERBERIS. L. *Barberry bush.*
 Canadensis. Ph.
 communis. var. Canadensis. Auct.
 On hills near New-York. Clark's woods. 24. May—
 June. yellow.
181. PRINOS. L. *Winterberry.*
 1 verticillatus. L.
 Gronovii. Mx.
 Wet shady woods and in swamps. 24. June—July. greenish-
 white.

- 2 glaber. L. (*Ink berry. Evergreen winterberry.*) In the cedar swamps at New-Durham. h. June—July. greenish-white.
3 ambiguus. Mx. In the same place. h. June. white.

TRIGYNIA.

182. RUMEX. L. *Dock.*
1 sanguineus. L. Meadows and pastures. 24. July.
2 Britanicus. L. Wet meadows. 24. July—Aug.
3 crispus. L. In wet meadows. 24. June. §.
4 obtusifolius. L. In meadows and woods. 24. May—Aug. §.
5 Acetosella. L. (*Sheep-sorrel.*) In dry fields, and on the sides of hills, &c.
183. TRIGLOCHIN. L. *Sea arrow-grass.*
maritimum. L. In salt marshes. Greenwich and elsewhere. 24. Aug.
184. MELANTHIUM. L. *Black flower.*
Virginicum. Willd.
Helonias Virginica. Bot. Mag.
In bog meadows. Near Elizabethtown, New-Jersey. Ed-
dy. 24. Aug. white, becoming brown.
185. HELONIAS. L.
dioica. Ph. (*Unicorn's horn. star-wort.*)
Veratrum luteum. L.
In bog-meadows. New-Jersey. 24. June. white.
186. XEROPHYLLUM. Mx.
setifolium. Mx.
Helonias asphodeloides. L.
Sandy pine woods of New-Jersey. 24. June. white.
187. GYROMIA. Nutt. *Cucumber-root. Indian cucumber.*
Virginica. N.
Medeola Virginica. L.
Borders of woods, in rich soil. Bloomingdale, &c. 24. May
—June. yellow.
188. TRILLIUM. L. *Three-leaved nightshade.*
1 erythrocarpum. Mx.
pictum. Ph.
undulatum. Willd.
In the cedar swamp at New-Durham. N. J. 24. May. white.
2 erectum. Willd.
rhomboideum. Mx.
atropurpureum. Curt.
In rich soil, among shady rocks. N. J. 24. May—June.
purple.

POLYGYNIA.

189. ALISMA. L. *Water plantain.*
Plantago. L.—Mx.
trivalis. Ph.
In ditches and overflowed boggy meadows, 24. July—Aug.
white.

OCTANDRIA. MONOGYNIA.

B. parviflora.

Alisma parviflora. Ph.

In similar situations, but more rare. 24. July. white.



HEPTANDRIA.

MONOGYNIA.

190. TRIENTALIS. L.

Chick-weed. Winter green.

Europæa. L.

var. ? angustifolia.

Americana. Ph.

In the cedar swamp, near New-Durham. 24. May—June.
white.

TETRAGYNIA.

191. SAURURUS. L.

*Lizard's tail. Swamp lily.*cernuus. L. In a swamp behind the Botanic Garden, and
in the cedar swamps at New-Durham. 24. July—
Sept. white.

OCTANDRIA.

MONOGYNIA.

192. RHEXIA. L.

*Deer-grass.*Virginica. L. In wet meadows, in high grass. Bloom-
ingdale and New-Utrecht. 24. July—Aug. purple.

193. ŒNOTHERA. L.

*Night willow-herb.*1 biennis. L. (*Scabish.*) Fields and borders of woods.
☼ ? June. Oct. yellow.2 parviflora. Willd. Woods. New-Jersey. New-York. Le
Conte. ♂. July. yellow.

3 chrysantha. Mx. Flushing. Prince. 24. July. yellow.

4 fruticosa. Willd. (*Sun drops.*) Old stony fields and
on rocks. 24. June—July. yellow.

194. EPILOBIUM. L.

Willowherb.

1 lineare. Muhl.

oliganthum. Mx.

rosmarinifolium. Ph.

squamatum. Nutt.

In shady overflowed places. 24. Aug.—Sept. purple.

2 coloratum. Muhl.

laevigatum. Le Conte's Cat.

tetragonum. Ph.

Wet boggy meadows. Greenwich. 24. July—Aug. pur-
ple.

195. **ACER.** L. *Maple.*
 1 *rubrum*. L. (*Red or swamp maple.*) In woods. $\frac{1}{2}$. April
 12. red.
 2 *saccharinum*. L. (*Sugar maple*) In woods. Bloom-
 ingdale. $\frac{1}{2}$. April. yellow.
 3 *nigrum*. Mx. (*Black maple.*) Fishkill mountains. $\frac{1}{2}$.
 May. greenish.
 4 *striatum*. Mx. (*Moose wood.*)
Pennsylvanicum. Willd.
 Summit of the Fishkill mountains. $\frac{1}{2}$. June. yellow.
 5 *montanum*. Willd.
Pennsylvanicum. Wang.
spicatum. Lmk.
 On the sides of high hills. New-Jersey. $\frac{1}{2}$. May—July.
 greenish-yellow.
196. **DIRCA.** L. *Leatherwood.*
palustris. L. Shady woods. New-Jersey. $\frac{1}{2}$. April.
 yellowish-white.
197. **OXYCOCCUS.** Pers. *Cranberry.*
 1 *macrocarpus*. Pers. (*Common.*)
Vaccinium macrocarpon. Ait.
V. Oxycoccus.
B. oblongifolius. Mx.
 Shrewsbury, N. Jersey, Long-Island. $\frac{1}{2}$. June—July. red.
 2 *vulgaris*. Ph.
Vaccinium oxycoccus, *a. ovalifolius*. Mx.
 In the cedar swamps, New-Durham.

TRIGYNIA.

198. **POLYGONUM.** L. *Knot grass. Water pepper, &c.*
 1 *aviculare*. L. (*Knot grass.*) Fields, road sides and
 cultivated grounds. $\frac{1}{4}$. May—Oct. white.
B. latifolium. Mx.
P. erectum. Willd.
 With the former, very common.
 2 *tenue*. Mx.
linifolium. Muhl. Cat.
 On rocks in woods. Bloomingdale. ☉. Sept. white.
 3 *punctatum*. Ell. (*Water pepper.*)
Hyropiper. Mx.
Hydropiperoides. Ph.
 In ditches and overflowed grounds. $\frac{1}{4}$. Aug.—Oct. white.
 4 *mite*. Pers.
Hydropiperoides. Mx.
 In the cedar swamp at Weehawk. ☉ ? Sept. white.
 5 *Virginianum*. L. Along ditches and in wet woods. $\frac{1}{4}$.
 Aug.—Sept. white.
 6 *Pennsylvanicum*. L. Borders of fields and banks of
 ditches. ☉. July—Oct. pale red.
 7 *incarnatum*. Ell.

- lapathifolium. Ait.?
 Borders of ponds. N. York. ☼. Aug. white.
 8 barbatum. Willd. In swamps and ditches. 24. Aug.
 white or red.
 9 Persicaria. L. (*Black-heart. Ladies' thumb.*) In cul-
 tivated grounds. 24. June—Oct. red.
 10 sagittatum. L. Wet thickets. ☼. July—Aug. white.
 11 arifolium. L. Wet thickets. ☼. July—Sept. pink.
 12 Convolvulus. L. In sandy fields. ☼. July—Sept.
 white.
 13 scandens. L. (*Climbing wild buckwheat.*) Hedges
 and thickets. ☼. Aug. white or pink.
 14 Fagopyrum. L. (*Buckwheat.*) Naturalized about
 New-York. ☼. June—Sept. white.

ENNEANDRIA.

MONOGYNIA.

199. LAURUS. L. Bay.
 1 Benzoin. L. (*Wild alspice. Fever bush.*)
 Pseudo Benzoin. Mx.
 Woods and along creeks. 2. April 19th. May. pale
 yellow.
 2 Sassafras. L. (*Sassafras.*) Woods, hedges, and banks
 of rivers. 2. May 4th.—June. yellow.

DECANDRIA.

MONOGYNIA.

200. BAPTISIA. Vent.
 tinctoria. Ell. (*Wild indigo.*)
 Podalyria tinctoria. Willd.
 Sophora tinctoria. Walt.
 In open sandy woods. Long-Island. 24. July—Sept.
 yellow.
 201. CERCIS. L. (*Red bud. Judas'-tree.*)
 Canadensis. L. In woods. New-Jersey. 2. May.
 bright purple.
 202. CASSIA. L. Wild pea, &c.
 1 Marylandica. L. (*Wild Senna.*) Wet meadows. Wee-
 hawk, and at Plandome, Long-Island. July. yellow.
 2 Chamaecrista. L. (*Partridge pea. Magoty bay-bean.*)
 On the sides of hills. Hoboken and New-York. ☼. June
 —Aug. yellow.

- 3 nictitans. L. (*Sensitive pea.*) Sandy hills. Long-Island. ☼. July—Sept. yellow.
203. HYPOPITHYS. Dill. Nutt. *Pine-sap.*
 lanuginosa. Nutt.
 Monotropa lanuginosa. Mx.
 In woods. Long-Island. 2. July—Aug. pale brown.
204. MONOTROPA. L. *Bird's nest.*
 uniflora. L. (*Indian pipe.*)
 morisoniana. Big. Fl. Bost.
 In woods. Bloomingdale, and Long-Island near Brooklyn.
 May—June. It varies with upright, or drooping flowers. white.
205. KALMIA. L. *Laurel.*
 1 latifolia. L. (*Calico bush.*) On the hills from Manhattanville to Kingsbridge. 2. June—July. pink or white.
 2 angustifolia. L. (*Dwarf or sheep laurel. Kill-calf.*) In woods. Sometimes in swamps. New-Jersey. 2. June—July. red.
206. { LEIOPHYLLUM. Ell. *Sand myrtle.*
 { AMMYRSINE. Ph.
 thymifolium. Ell.
 Ledum thymifolium. Lmk.
 buxifolium. Ait.
 Ammyrsine buxifolia. Ph.
 In the pine barrens of New-Jersey. 2. May—June. white.
207. RHODORA. L.
 Canadensis. L. In woods about Flushing. Long-Island, Prince. 2. red.
208. RHODODENDRON. L. *Rose bay. Mountain laurel.*
 maximum. L. (*Big laurel.*) In the cedar swamp at Weehawk, and on Staten-Island. 2. June—July. red.
209. VACCINIUM. L. *Whortleberry or Huckleberry.*
 1 stamineum. L. (*Deer-berry.*) In dry stony woods. N. York and N. Jersey. 2. May—June. white.
 2 frondosum L. (*Blue-berry.*)
 glaucum. Mx.
 In swamps and woods. 2. June. white and pink.
 3 dumosum. Curt. Mag. (*Blue tangles.*)
 frondosum. Mx.
 In shady woods. 2. June. white.
 4 resinosum. L. (*Black whortleberry.*) Common on hills.
 2. May—June. red.
 5 corymbosum. L. (*High whortleberry.*)
 dissomorphum. Mx.
 amoenum. Willd.
 In woods and hedges. 2. May—June. white.
 6 Pennsylvanicum. Mx. (*Blue whortleberry.*)
 tenellum. Ph. ?
 virgatum. Willd. (Muhl.)

On rocky hills, and in woods. Common. $\frac{1}{2}$. May. greenish white. with red.

210. ANDROMEDA. L.

Red bud, &c.

1 calyculata. L. In bog meadows of New-Jersey. $\frac{1}{2}$. May. white.

2 racemosa. In swamps and along hedges, Greenwich. $\frac{1}{2}$. July. white.

3 ligustrina. Muhl. et Ell.

paniculata. Mx. Ph. non L.

racemosa. Lmk.

Vaccinium ligustrinum. L.

Lyonia paniculata. Nutt.

In woods and hedges. Common. $\frac{1}{2}$. June—July. white.

4 mariana. L. Common on Hempstead Plains. Prince.

In pine woods. S. Amboy. $\frac{1}{2}$. June. white.

211. EPIGEA. L.

Ground laurel. Trailing arbutus.

repens. L. Shady rocky hills. Plandome. L. Island, and in New-Jersey. $\frac{1}{2}$. April—June. white.

212. GAULTHERIA. L.

Mountain-tea. Ginger-berry.

1 procumbens. L. (*Wintergreen.*) In the cedar swamp, Weehawk. $\frac{1}{2}$. July—Aug. white.

2? hispidula. Muhl. Cat.

serpillifolia. Ph.

Vaccinium hispidulum. Mx. L.

Oxycoccus hispidulus. Pers. Nutt.

Arbutus thymifolia. Ait.

filiformis. Lmk.

In the cedar swamp, New-Durham. N. J. Cooper. v. v. $\frac{1}{2}$.

Sept.? (April! Mx.) white.

213. ARBUTUS. L.

Bear-berry.

Uva ursi. L. In the pine barrens of New-Jersey. In woods on Long-Island? Patterson falls. (Cooper.)

April—May. red.

214. CLETHRA. L.

Sweet pepper-bush.

alnifolia. L. Low wet grounds, and in hedges. $\frac{1}{2}$. Aug. white.

215. PYROLA. L.

Wintergreen.

1 rotundifolia. L. Bloomingdale woods. $\frac{1}{4}$. July—Aug. white.

2 elliptica. Nutt. In dry woods. $\frac{1}{4}$. June—July. white.

3 secunda. L. Open, sandy woods. New-Jersey. $\frac{1}{4}$. June—July. greenish-white.

216. CHIMAPHILA. Ph.

Pipsissewa. Wintergreen.

1 maculata. Ph.

Pyrola maculata. L.

Dry stony woods. Bloomingdale. $\frac{1}{4}$. July—Aug. white.

2 corymbosa. Ph. (*True pipsissewa, or pipsissewa.*)

Pyrola umbellata. L.

In Bloomingdale woods. $\frac{1}{4}$. July—Aug. greenish-white.

DIGYNIA.

217. **CHRYSOSPLENIUM.** L. *Golden saxifrage.*
oppositifolium. L. ? In shady swamps, in running brooks.
 Bloomingdale. 24. April 13—June. yellow.
218. **SAXIFRAGA.** L. *Saxifrage.*
 1 *Virginensis.* Mx.
nivalis. Muhl. Cat.
vernalis. Big.
 On rocks and the sides of hills. 24. April 3d.—July.
 white.
- 2 *Pennsylvanica.* L. In the cedar swamp at Weehawk, and
 in the bog meadows of New-Jersey. 24. May—June.
 greenish-white.
219. **TIARELLA.** L. *Mitre wort.*
cordifolia. L. Among rocks. Passaic falls. New-
 Jersey. 24. May—June. white.
220. **MITELLA.** L. *False sanicle.*
diphylla. L. On the banks of creeks, in shady places.
 24. May. white.
221. **SCLERANTHUS.** L. *Knarwel.*
annuus. L. Common in sandy fields. ☉. May—July.
222. **SAPONARIA.** *Soap wort.*
officinalis. L. (*Bouncing Bet.*) Among rubbish. In-
 troduced. 1/2. June—Sept. white.

TRIGYNIA.

223. **CUCUBALUS.** L. *Campion.*
stellatus. L. In dry woods, on the sides of hills. 24.
 July—Aug. white.
224. **SILENE.** L. *Catch-fly.*
 1 *Pennsylvanica.* Mx. (*Wild pink.*)
Virginica. Willd. et Muhl. Cat.
 On the sides of rocky hills. 24. May—June. red.
- 2 *antirrhina.* L. On the sides of hills, near creeks. New-
 Jersey. ☉. June. white or purple.
225. **STELLARIA.** L. *Chickweed.*
 1 *media.* Sm.
Alsine media. L.
 Common in cultivated grounds, road sides, &c. ☉ ? March
 —Nov. white.
- 2 *longifolia.* Muhl. Cat.
gracilis. Raf.
Spergulastrum gramineum. Mx.
Micropetalon gramineum. Pers. Ph.
 Bog meadows and overflowed woods. 24. ? June. white.
226. **ARENARIA.** L. *Sand wort.*
 1 *peploides.* L. On the shore near New-York. R. Haines,
 Esq. (Collins.) Long Branch, New-Jersey. s. fl.
 Cooper.

DECANDRIA. DECAGYNIA.

- 2 lateriflora. L. ? Bog meadows about Newark. 24. June.
white.
3 serpillifolia. L. Sandy fields. ☉. May—July. white.
4 squarrosa. Mx.
Caroliniana. Walt.
In the pine barrens of New-Jersey. 24. July. white.
5 Canadensis. Pers.
rubra. B. Mx.
In salt marshes. New-York and New-Jersey. ☉. May—
Nov red and white.

PENTAGYNIA.

227. PENTHORUM. L. *Virginian stone-crop.*
sedoides. L. Low wet meadows, and in stagnant waters.
24. July—Aug. greenish yellow.
228. OXALIS. L. *Wood-sorrel.*
1 Acetosella. L. On the island of New-York. *Le Conte.*
24. white.
2 violacea. L. In woods among rocks. 24. April—June.
violet.
3 Corniculata. L. In fields and woods. ☉. May—Sept.
yellow.
4 stricta. Willd. In cultivated grounds. ☉? May—Aug.
yellow.
229. AGROSTEMMA. L. *Corn cockle.*
Githago. L. In grain fields. ☉. June—July. pur-
ple. §.
230. CERASTIUM. L. *Mouse-ear chickweed.*
1 vulgatum. L. Fields and on hills. ☉. May—Sept.
white.
2 viscosum. L. Old fields and road sides. ☉. May—
Sept. white.
3 nutans. Raf.
longepedunculatum. Muhl.?
In woods. New-Jersey. 24. June—July. white.
4 tenuifolium. Ph.
C. arvensis. var. ?
On the sides of rocky hills. June. white.
231. SPERGULA. L. *Corn spurrey.*
arvensis. L. In fields. N. York. Meadows, Hoboken.
June. §. white.

DECAGYNIA.

232. PHYTOLACCA. L. *Poke or pokeberry.*
decandra. L. Borders of fields and along ditches. 24.
June.—Oct. white.

DODECANDRIA.

MONOGYNIA.

233. ASARUM. L. *Asarabacca. Wild ginger.*
Canadense. L. (Colt's foot. White snake root.) Hills
at Hoboken. 24. May—June.
234. HUDSONIA. L. *American heath.*
1 ericoides. L. et Nutt. In the pine barrens of New-Jer-
sey. 2. May—June. yellow.
2 tomentosa. Nutt. (Maritima.) On the sea shore.
Shrewsbury. Long-Island. &c. 2. June. yellow.
235. PORTULACCA. L. *Purselane.*
oleracea. L. In cultivated grounds. 2. May—Aug.
yellow.
236. LYTHRUM. L. *Milk willow-herb. Grass poly.*
verticillatum. L. In the cedar swamps at Weehawk. 24.
Aug. purple.
237. DIOSPYROS. L. *Persimmon. Date plum.*
Virginica. L. In woods, on the Hudson between Bloom-
ingdale and Manhattanville. Weehawk, New-Jersey.
24. June. white.

DIGYNIA.

238. AGRIMONIA. L. *Agrimony.*
1 Eupatoria. L. In woods and hedges. 24. June—Aug.
yellow.
2 parviflora. Ait. In woods. 24. July. yellow.

TRIGYNIA.

239. EUPHORBIA. L. *Spurge. Milkweed.*
1 maculata. L.
hypericifolia. Bart. Fl. Phil.
In cultivated grounds. 2. July—Aug.
2 polygonifolia. L. On the gravelly banks of the Hudson,
near the French Tan-yards. 24. June—Sept.
3 Ipecacuanha. L. In the pine woods, about S. Amboy.
24. June.
4 depressa.
maculata. Bart. non L.
In sandy fields. common. July—Oct.



ICOSANDRIA.

MONOGYNIA.

240. CACTUS. L. *Indian fig.*
opuntia. L. (Prickly pear.) On rocks and dry hills.
24. July. yellow.

241. PRUNUS. L. *Cherry. Plum.*1 Virginiana. Willd. (*Choke-cherry.*)

Cerasus Virginiana. Mx.

In woods and hedges. $\frac{1}{2}$. May. white.2 serotina. Willd. (*Wild-cherry.*) Woods and hedges. $\frac{1}{2}$. May—June. white.3 Pennsylvanica. Ait. On hills and in woods. New-Jersey. $\frac{1}{2}$. May. white.4 depressa. Ph. (*Sand cherries.*) On the shore of Long Island about New-Utrecht. $\frac{1}{2}$. May. white.

DI-PENTAGYNIA.

242. CRATAEGUS. L. *Thorn.*

1 coccinea. Ait. In woods. New-York and New-Jersey.

 $\frac{1}{2}$. May. white.

2 cordata. Ait. Willd.

populifolia. Walt. Ph.

Mespilus Phoenopyrum. L.

In woods and on the banks of rivulets among rocks. N. York and N. Jersey. $\frac{1}{2}$. June. white.

3 pyrifolia. Ait. Willd.

cornifolia. Pers.

On rocks in woods. $\frac{1}{2}$. June. white.

4 crus galli. Ait. Willd.

Mespilus lucida. Ehrh.

In woods. New-York. $\frac{1}{2}$. May. white.5 oxycantha. L. (*Hawthorn.*) Hedges. Greenwich.

May 20. §.

243. PYRUS. L. *Pear, &c.*1 arbutifolia. Willd. (*Choke berry.*)

Mespilus arbutifolia. L.

Aronia pyrifolia. Pers.

Mespilus arbutifolia.

erythrocarpa. Mx.

Crataegus pyrifolia. Lmk.

In swamps. Sometimes on high hills. $\frac{1}{2}$. May—June. swamps.

2 melanocarpa. Willd.

Aronia arbutifolia. Pers.

Crataegus arbutifolia. Lmk.

Mespilus arbutifolia.

melanocarpa. Mx.

In a bog meadow near Greenwich. $\frac{1}{2}$. May. berries black. white.3 Botryapium. Willd. (*June berries. Shad flower. Maybush.*)

Aronia Botryapium. Pers.

Mespilus Canadensis. L.

In woods. $\frac{1}{2}$. May. white.

4 sanguinea. Ph. ? (*June berries.*) In woods. A tree 30 or 40 feet high. Berries red—eatable. white.

5 coronaria. L. (*Crab apple.*)

Malus coronaria. Mx.

In woods. New-Jersey. h.

244. SPIREA. L.

Meadow sweet.

1 Salicifolia. Ait.

alba. Muhl. Cat.

Wet meadows. New-Jersey. h. June, July. white or pink.

2 tomentosa. L. Meadows. Weehawk. h. July—Sept.

3 opulifolia. L. (*Nine bark. Virginian guelder rose.*)

Rocky hills. New-Jersey. h. July. white.

245. GILLENIA. Moench.

Indian physic.

trifoliata. Moench. (*Bowman's root. Ipecacuanha.*)

Spirea trifoliata. L.

On the sides of hills. New-Jersey. 2. June. white.

POLYGYNIA.

246. ROSA. L.

Rose.

1 parviflora. Willd.

Carolina. Mx.

In woods and copses. h. June—July. red.

2 lucida. Willd. In low copses. h. July. red.

3 gemella. Willd. Woods and swamps. h. July. red.

4 Carolina. Willd.

Pennsylvanica. Mx.

corymbosa. Ehrh.

Swamps. h. June—July. red.

5 suaveolens. Ph. (*American sweet-briar.*)

rubiginosa. Muhl. Cat.

On hills and borders of woods. h. June. red.

247. RUBUS.

Blackberry, bramble, &c.

1 villosus. Ait. (*Blackberry.*) In woods and commons.

h. June—July. white.

2 strigosus. Mx. (*Red raspberry.*)

Pennsylvanicus. Lmk.

On hills. N. Jersey. h. June. white.

3 occidentalis. L. (*Wild raspberry.*) In rocky woods.

h. May—Aug. white.

4 trivialis. Mx. (*Dewberry.*)

procumbens. Muhl.

In fields among rocks. h. May—July. white.

5 odoratus. L. (*Flowering raspberry. Canadian raspberry.*) On high hills, Manhattanville and Weehawk.

h. May—July. red.

6 cuneifolius. Ph. Pine barrens of New-Jersey. h. v. s.

7 saxatilis. L.

B. Canadensis. Mx.

POLYANDRIA. MONOGYNIA.

On hills and in woods. Bloomingdale. $\frac{1}{2}$. June—July.
white.

8 obovalis. Mx. In the cedar swamp at Weehawk. $\frac{1}{4}$.
July. white.

248. FRAGARIA. L. *Strawberry.*

Virginiana. L.

Canadensis. Mx.

In fields and woods. $\frac{1}{4}$. May—June.

249. POTENTILLA. L. *Cinquefoil.*

1 fruticosa. L. In meadows. Weehawk. $\frac{1}{2}$. July.
yellow.

2 floribunda. Ph. Bog meadows of New-Jersey. June—
July. yellow.

3 Canadensis. L. (*Barren strawberry.*) Fields and
woods. $\frac{1}{4}$. May. yellow.

4 pumila. Lmk. Dry woods and in fields. $\frac{1}{4}$. April
—May. A variety of the preceding? yellow.

5 simplex. Mx. (*Five finger.*) Fields and meadows. $\frac{1}{4}$.
May—August. yellow.

6 Norvegica. L. Old fields. ☉. June—August. yel-
low.

7 argentea. L. Rocks. Fishkill. $\frac{1}{4}$. June—July. yel-
low.

8 tridentata. Ait. On the summit of the new beacon.
Fishkill. $\frac{1}{4}$. May—June. white.

250. GEUM. L. *Avens. Herb bennet.*

1 agrimonoides. Ph.

(*viscosa.*)

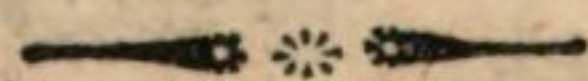
On Polybell's island in the Highlands. $\frac{1}{4}$. May. yel-
lowish-white.

2 Virginianum. L. Woods and hedges. $\frac{1}{4}$. June—Aug.
yellowish-white.

3 rivale. L.? In bog meadows. New-Jersey. $\frac{1}{4}$. June.
purple.

251. COMARUM. L. *Marsh cinquefoil.*

palustre. L. In swamps. New-Jersey. $\frac{1}{4}$. purple.



POLYANDRIA.

MONOGYNIA.

252. ACTEA. L. *Bane berry. Herb Christopher.*

1 brachypetala. De Cand. (*Red and white cohosh. Neck-
lace weed.*)

Americana. Ph.

rubra. Willd.

spicata. Mx.

Among rocks, on the sides of hills. Hoboken. $\frac{1}{4}$. May—
June. white. var. ? alba.—A. alba. Big. (*Eaten.*)

2? racemosa. L. et DeCand. (*Black snake root. Squaw root.*)

Cimicifuga serpentaria. Ph.

racemosa. Nutt.

On hills at Kingsbridge. Cooper. 24. June—July. white.

253. PODOPHYLLUM. L. *May apple. Duck's foot. Mandrake.*

peltatum L. In woods. New-Jersey. 24. May. white.

254. SANGUINARIA. L. *Blood root.*

Canadensis. L. Shady woods, Long-Island. Hills about

Bergen. 24. April—May. white.

255. CHELIDONIUM. L. *Celandine.*

majus. L. (*Wartwort.*) Along fences and among
rocks. 24. May—Oct. yellow.

256. SARRACENIA. L. *Side-saddle flower.*

purpurea. L. (*Meadow cups.*) In the cedar swamp
at Weehawk. 24. June—July. purple.

257. NYMPHAEA. L. Smith. *Pond lily.*

odorata. Ait.

alba. Mx.

In ponds on Long-Island. 24. June—July. white.

258. NUPHAR. Smith. *Yellow pond lily.*

1 lutea. Ait.

Nymphaea lutea. L.

In ponds and rivers. New-Jersey. 24. June—July. yellow.

2 advena. Ait.

Nymphaea advena. Willd.

Ponds and rivers. Long-Island and New-Jersey. 24. June,
July.

3 Kalmiana. Ait. (*Small flowered.*)

Nymphaea lutea.

B. Kalmiana, Mx.

minima. Muhl. Cat. ?

In ponds, in the pine barrens of New-Jersey. 24. July.

259. TILIA. L. *Lime or linden tree.*

1 glabra. Vent. et Ph. (*Bass wood. Spoon wood.*)

Americana. Willd.

Canadensis. Mx. Pers.

Americana. Pers.

Hills about Hoboken, and in Bloomingdale woods. 24. June.
yellowish.

2 pubescens. Vent. On the high hills near Weehawk. 24.

260. HELIANTHEMUM. *Rock rose.*

Canadense. Mx. (*Frost weed.*)

Cistus Canadensis. Willd.

Lechea major. L.

On sandy hills and in barren fields. 24. June. yellow.

DI-PENTAGYNIA.

261. ASCYRUM. L. *St. Peter's wort.*

multicaule. Mx. In the pine barrens of New-Jersey.

24. July. yellow.

262. **HYPERICUM.** L. *St. John's wort.*
 1 perforatum. L. (*Common.*) Common in fields. 24. June
 —Aug. yellow.
 2 Corymbosum. Willd.
 punctatum. Lmk.
 In wet meadows and woods. 24. June—Aug. yellow.
 3 parviflorum. Willd.
 quinquenervium. Walt.
 mutilum. L.
 In overflowed places. 24. June—Sept. yellow.
 4 angulosum. Mx. In the cedar swamp at Weehawk. 24?
 July. reddish.
 5 Canadense. L. Sandy fields. Greenwich. ☉. June—Ju-
 ly. yellow.
 6 Virginicum. L.
 Elodea campanulata. Ph.
 In the bog meadows about Hoboken. 24. July—Sept. reddish.
 263. **AQUILEGIA.** L. *Columbine.*
 Canadensis. L. On rocks. 24. April 28.—June. scarlet.

POLYGYNIA.

264. **LIRIODENDRON.** L. *Tulip tree.*
 Tulipifera. L. (*White wood. White poplar.*) In woods.
 2. June 7. July. greenish-white.
 365. **MAGNOLIA.** L.
 glauca. L. (*Swamp sassafras. Swamp laurel. Bea-
 ver wood.*) In swamps, Long-Island and New-Jer-
 sey. 2. May—June. white.
 266. **ANEMONE.** L. *Wind flower.*
 1 nemorosa. L.
 In moist shady places, and in woods. 24. April 19—May.
 white.
 var. quinquefolia.
 A. quinquefolia. Pers.
 With the former.
 2 Thalictroides. L.
 Thalictrum anemonoides. Mx.
 Moist shady woods, and among rocks. 24. April 19—May.
 white.
 3 Pennsylvanica. L.
 aconitifolia. Mx.
 In meadows near the French tan yards. 24. June. 22—Ju-
 ly. yellowish-white.
 4 Virginiana. L. (*Thimble-weed.*) In woods about rocks.
 24. July. greenish-white.
 267. **HEPATICA.** Willd. *Liver wort.*
 triloba. Willd. enum.
 Anemone Hepatica. L.
 Rocky woods, in fertile soil. 24. April. 1—May.

268. ATRAGENE. L.

Americana. Sims.

Pennsylvanica. Muhl. Cat.

Clematis verticellata. De Cand.

On the summit of the old beacon, Fishkill. 6. May. purple.

269. CLEMATIS. L.

Virgin's bower.

1 Virginiana. L. In hedges. Greenwich. July—Aug. white.

2 ochrolenca. Ait.

sericea. Mx.

In woods about a mile from Brooklyn, Long-Island. 4.

June. yellowish-white.

270. THALICTRUM. L.

Meadow rue.

1 dioicum. L.

laevigatum. Mx.

Rocks about Hamilton's monument. Pierce. 4. April 30th: white.

2 rugosum. Ph.

Carolinianum. De Cand.

In meadows and swamps. 4. June—July. white.

3 revolutum. De Cand.

Polygamum. Muhl.

pubescens. Ph.

In meadows and swamps. 4. June, July. white.

271. RANUNCULUS. L.

Crow-foot.

1 Flammula. L. In inundated woods. Bloomingdale. 4. June—July. yellow.

2 pusillus. Poir. Ph.

humilis. Pers.

Flammula. Walt. Mx.

In boggy inundated places. Bloomingdale woods. Flowers generally 3-petalled. minute.

3 abortivus. L.

nitidus. Poir.

Woods and rocky hills. 4. April—June. yellow.

4 sceleratus. L. In ditches and stagnant waters. 4. May—Aug. yellow.

5 Pennsylvanicus. L. Wet meadows and in woods. 4. June—Aug. yellow.

6 bulbosus. L. (*Butter cups.*) meadows and grassplots. 4. May—July. yellow.

7 repens. L. Banks of creeks. New-Jersey. Cooper. 4. June—Sept. yellow.

8 recurvatus. Lmk. Woods. 4. July. whitish.

9 fluviatilis. Big.

heterophyllus. Muhl.?

pantothrix. var fluviatilis. De Cand.?

Stagnant waters in woods, 3 miles from Brooklyn. Long-Island. 4. Aug. yellow.

- 10 *aquaticus*. L. In ponds. Mt. Pleasant. Dr. S. C. Roe—
v. s. 24. June. white.
- 11 *aeris*. L. (*Butter cups*.) In wet meadows. 24. June.
yellow.
- 12 *saniculaefolius*. Muhl. Cat. ? Eaton's Man. Bot. p. 397.
In moist shady woods. Bloomingdale. 24. May—July.
yellow.
- 13 *fascicularis*. Muhl. Big. Moist woods. April 17—May.
yellow.
272. *COPTIS*. Salisb.
trifolia. Salisb. (*Gold thread. Mouth root*.)
Helleborus trifolius. L.
In the cedar swamp at Weehawk. 24. May 15th—June.
white.
273. *CALTHA*. L. *Marsh marygold*.
palustris. L. In a swamp near Greenwich, and in New-
Jersey. 24. April 26—June. yellow.
274. { *BRASENIA*. Schreb. *Water target*.
{ *HYDROPELTIS*. Mich.
Hydropeltis. Muhl.
peltata. Pursh.
Hydropeltis purpurea. Mx.
In ponds about New-Utrecht. Long-Island. Eddy. July—
Aug. purple.
275. *HYDRASTIS*. L. *Yellow root*.
Canadensis. L. Shady woods. 24. May. white.

DIDYNAMIA.

GYMNOSPERMIA.

276. *TEUCRIUM*. L. *Wood sage. Wild germander*.
1 *Canadense*. L. Wet shady places, and on the sides of
rocky hills. Greenwich and Hoboken. 24. July—
Aug. pale purple.
- 2 *Virginicum*. L. Shady low grounds. 24. July. pur-
ple.
277. *HYSSOPUS*. L. *Hyssop*.
nepetoides. Willd. In woods at Flushing. (*Prince*.)
24. July. yellow.
278. *NEPETA*. L. *Catmint*.
Cataria. (*common*.) Road sides and old fields. June—
Aug. §.
279. *MENTHA*. L. *Mint*.
1 *borealis*. Mx.
acutifolia, *B. borealis*. Pers.
Wet meadows, among bushes. 24. July—Sept. pale purple.
- 2 *tenuis*. Mx.
viridis. Walt.

- 3 *Canadensis*. L. In the pine barrens of New-Jersey.
Goldy. 24. Oct. blue. v. s.
280. *GLECHOMA*. L. *Ground ivy*.
hederacea. L. (*Gill-go-over-the-ground*.) Along fences,
 and in shady places. 24. April. June. purple. §?
281. *LAMIUM*. L. *Archangel*. *Henbit*.
amplexicaule. L. (*Dead nettle*.) In old fields and cul-
 tivated grounds. 24. April—Nov. purple. §.
282. *GALEOPSIS*. L. *Hemp nettle*.
Tetrahit. L. Grows about Philipsburgh. *Eddy*. ☉.
 Aug. white and purple.
283. *STACHYS*. L. *Base-horehound*.
aspera. Mx. In fields, on the borders of swamps. New-
 York and Hoboken. 24. July—Oct. purple.
284. *MARRUBIUM*. L. *Horehound*.
vulgare. L. Road sides. June—Aug. white. §.
285. *LEONURUS*. L. *Motherwort*.
Cardiaca. L. Road sides and neglected fields. ♂. Ju-
 ly—Aug. reddish white. ?
286. *CLINOPODIUM*. L. *Wild basil*.
vulgare. L. Stony woods. Long-Island. 24. July. pink.
287. *PYCNANTHEMUM*. Mich. *Horse mint*. *Mountain mint*.
 1 *incanum*. Mx.
Clinopodium incanum. L.
 Rocky hills. Manhattanville. 24. July, Aug. pink.
 2 *Virginicum*. Pers. (*Virginian thyme*.)
linifolium. Ph.
Brachystemum Virginicum. Mx.
linifolium. Willd.
Thymus Virginicus. L.
 In exsiccated swamps. New-Jersey. 24. August—Sept.
 white.
 3 *lanceolatum*. Ph.
Virginicum. Nutt. excl. syn. L.
Brachystemum lanceolatum. Willd.
 On the hills near Weehawk. New-Jersey. 24. August.
 white.
 4 *verticillatum*. Pers.
Brachystemum verticillatum. Mx.
 Hills and dry woods. 24. July—Sept. white.
 5 *muticum*. Pers.
Brachystemum muticum. Mx. t. 32.
 On the hills near Weehawk. On Long-Island. Dr. *Mitchill*.
 24. July, Aug. white.
288. *ORIGANUM*. L. *Wild marjorum*.
valgare. L. Borders of fields and on stony hills. 24.
 June—Oct. pink.
289. *CUNILA*. L. *Dittany*.
mariana. L.
Ziziphora mariana. R. & S.

- On dry rocky hills. Staten-Island and Weehawk. 24. July
—Sept. pink.
290. HEDEOMA. Pers.
pulegioides. Pers. (*Penny royal.*)
Cunila pulegioides. L.
Ziziphora pulegioides. R. & S.
Dry woods and on hills. ☉. June, July. pale blue.
291. TRICHOSTEMA. L. *Blue curls.*
dichotoma. L. On barren hills. ☉. July—Sept. blue.
292. SCUTELLARIA. L. *Scull cap.*
1 lateriflora. L. In overflowed shady places. 24. July—
Sept. blue.
2 galericulata. L. Wet shady places on Long-Island. 24.
Aug. blue.
3 ovalifolia. Pers. Bart.
pilosa. Mx. Ph.
In a wood on Long-Island, about 3 miles from Brooklyn, and
on Staten-Island. 24. July. blue.
4 integrifolia. L. In Newark meadows. *Eddy.* 24. June.
blue.
293. PRUNELLA. L. *Self-heal.*
Pennsylvanica. Willd. In woods and meadows. ♂.
May—Aug. blue.
294. PHRYMA. L.
Leptostachya. L. Rocky woods. Hoboken hills, near
the brook. 24. July, Aug. purple.

ANGIOSPERMIA.

295. VERBENA. L. *Vervain.*
1 hastata. L. Wet meadows, particularly on the bor-
ders of salt marshes. 24. July—Aug. purple.
2 urticifolia. L. Fields and road sides. 24. July—Aug.
white. ♂?
3 angustifolia. Mx.
rugosa. Willd.
Grows along the base of the Magnesian rocks, Hoboken.
24. July. blue.
4 spuria. L. Borders of fields about Bergen, New-Jersey.
Aug.—Oct. pink.
296. BARTSIA. L. *Painted cup.*
coccinea. L.
Euchroma coccinea. Nutt.
In boggy meadows. 24. May—June. scarlet.
297. MELAMPYRUM. L. *Cow-wheat.*
lineare. Lmk.
Americanum. Mx.
Rocky shady woods. ☉. June, July. yellow and white.
var. latifolium.
M. latifolium. Muhl. Cat. ?
Woods. common. yellow and white.

298. **PEDICULARIS.** L. *Louse-wort.*
 1 *pallida.* Ph.
serotina. Muhl. Cat.
 In swamps near Brooklyn. Sept. pale yellow. In Newark meadows. *Eddy.*
var. simplex.
P. lanceolata. Mx. ?
 Grows with the former. Brooklyn.
 2 *gladiata.* Mx. Wet meadows. 24. May, June. yellow and purple.
Canadensis. L. Wet meadows. 24. May—July. yellow and purple.
299. **GERARDIA.** L. *False foxglove.*
 1 *purpurea.* L. In fields, in sandy soil. ☼. ♂. Aug—Oct. purple.
 2 *maritima.* Raf. *Precis des De Couv.*
crinita. Ed. Hort. Elgin.
purpurea.
B. crassifolia. Ph.
 In salt marshes—common near the city. 24 ? July—Sept. purple.
 3 *tenuifolia.* Vahl. In fields and woods. ♂. Aug. Sept. purple.
 4 *flava.* L. Woods, and moist shady places. 24. Aug.—Sept. yellow.
 5 *glauca.* Ed. Cat. Plant. Plandom. in *Med. Rep.* 11. p. 126.
quercifolia. Ph.
Rhinanthus Virginicus. Gron.
 In shady rocky situations. 24. Aug.—Sept.
 6 *Pedicularia.* L. Shady woods, Long-Island, near Brooklyn. 24. Aug.—Sept. yellow.
300. **ANTIRRHINUM.** L. *Snap dragon.*
 1 *Linaria.* L. (*Ransted. Continental-weed.*)
Linaria Vulgaris. De Cand.
 Road sides and fields. 24. June—Oct. yellow.
 2 *Canadense.* L. Fields and meadows. ☼. July—Nov. blue.
301. **SCROPHULARIA.** L. *Figwort.*
Marylandica. L.
nodosa,
B. Americana. Mx.
 Borders of woods, and on the sides of hills. Hoboken and Greenwich. 24. July—Oct. brownish.
302. **MIMULUS.** L. *Monkey flower.*
 1 *ringens.* L. Wet meadows and standing waters, Greenwich. 24. Aug. blue.
 2 *alatus.* L. Overflowed woods. Bloomingdale. 24. Aug. blue.

303. LIMOSELLA. L. *Mud wort.*
 subulata. Ives. Trans. Physico Med. Soc. N. York. 1.
 p. 439. t. Eat. Man. Bot. p. 303.
 tenuifolia. Nutt. Jour. Acad. Nat. Soc. Phil. 1. p. 115.
 Gen. Amer. Pl. 2. p. 43.
 On the borders of a fresh water pond, at Long-branch, N.
 Jersey. Aug. Sept. white. Cooper.
304. CHELONE. L. *Shell flower.*
 glabra. L. (*Snake's head.*) In ditches, standing waters,
 and low shady places. 2. Aug.—Oct. white, with a
 tinge of purple.
305. OROBANCHE. L. Nutt. *Broom-rape.*
 1 Americana. L. (*Squaw-root.*) Parasitic on the roots of
 trees, in woods. Bloomingdale, Long-Island, &c. 2.
 July. yellowish.
 2 biflora. Nutt.
 uniflora. L.
 In shady woods. 2. May—July. pale purple. The stem is
 very short, and produces two long one-flowered pedun-
 cles.
306. EPIFAGUS. Nutt. *Beach drops. Cancer root.*
 Americanus. Nutt.
 Orobanche Virginiana. L.
 Parasitic upon the roots of beech trees. Hoboken, and
 Long-Island. 2. Sept. purple.



TETRADYNAMIA.

SILICULOSA.

307. DRABA. L. *Whitlow grass.*
 1 verna. L. In fields and on hills. Greenwich and Hobo-
 ken. ☼. March 26th—May. white.
 2 hispidula. Mx.
 umbellata. Muhl.
 Caroliniana. Walt. ?
 In sandy fields about Canal-street, N. Y. Knevels. ☼. April.
 white.
308. BUNIAS. L. *Sea rocket.*
 edentula. Big.
 Cakile maritima. Ph.
 Americana. Nutt.
 On the sea coast of New-Jersey, about Sandy Hook, and at
 Hoboken. (Cooper.) ☼. July—Oct. purple.
309. THLASPI. L. *Shepherd's purse.*
 1 Bursapastoris. L. Cultivated grounds, and road sides.
 ☼. March—Oct. white. §.
 2 campestre. L. (*Mithridate mustard.*) Grows about Pat-
 terson falls. Cooper. ☼. May. white.

310. **LEPIDIUM.** L. *Pepper-wort.*
Virginicum. L. Sandy fields. ☉. June—Oct. white.

SILICUOSA.

311. **DENTARIA.** L. *Toothwort.*
 1 *laciniata.* Willd.
concatenata. Mx.
 On the hills at Hoboken. 24 April 23d—May. purple.
 312. **CARDAMINE.** L. *American water cress.*
 1 *Virginica.* L. On rocks in Bloomingdale woods. 24.
 May—June. white.
 2 *Pennsylvanica.* Willd. (*Pennsylvanian water cress.*)—
 Ditches and overflowed grounds. 24. May—July.
 white.
 313. **SISYMBRIUM.** L. *Water cress.*
amphibium. L. In overflowed and low boggy grounds.
 Bellevue. 24. June. yellow.
 314. **ERYSIMIUM.** L. *Hedge mustard.*
officinale. L. Old fields and road sides. ☉. June—
 Oct. yellow.
 315. **ARABIS.** L. *Wall cress. False tower-mustard.*
 1 *thaliana.* Willd. On the sides of rocky hills. Hoboken,
 ☉. June. white.
 2 *lyrata.* L. Rocks about Bergen. ☉. April—July,
 white.
 3 *hastata.*
pendula. Nutt. ?
Turritis laevigata. Willd.
 On rocky hills, in shady situations. 24. June. white.
 4 *falcata.* Mx.
Canadensis. L.
 Hills among rocks. Manhattanville and Hoboken. 24.
 June. white.
 5 *bulbosa.* Muhl. Cat. (*Spring cresses.*)
rhomboidea. Pers.
 In low wet grounds. 24. May, June. white.
 6 *hirsuta.* Brown.
Turritis hirsuta. Willd.
ovata. Ph. ?
 On the sides of hills. ☉. ? June. July—white.
 316. **SINAPIS.** L. *Mustard.*
nigra. Sm. In fields. ☉. July—Oct. yellow. §.

MONADELPHIA.

DECANDRIA.

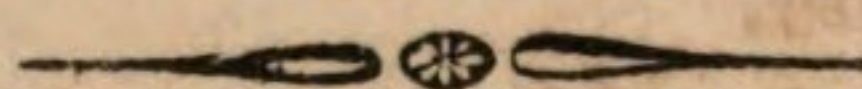
317. **GERANIUM.** L. *Cranesbill.*
 1 *maculatum.* L. (*Crow-foot. Allum-root.*) Woods and
 among bushes. 24. May 5th, July. purple.

DIADELPHIA. HEXANDRIA.

- 2 columbinum. L. Sandy fields, on Long-Island. ☼.
June. blue.
3 Robertianum. L. (*Herb Robert.*) Shady rocky situa-
tions. ♂. ☼. May—Sept. red.

POLYANDRIA.

318. SIDA. L. *Indian mallow.*
1 Abutilon. L. Among rubbish and on the borders of fields.
☼. July—Aug. orange.
2 spinosa. Willd. ? Sandy fields. N. Jersey. *Eddy.* ☼.
Aug. yellow. v. s.
319. MALVA. L. *Mallows.*
rotundifolia. (*Dwarf mallow.*) Cultivated grounds
and along fences. ♀. June—Oct. pink.
320. HIBISCUS. L.
1 moscheutos. Willd. Low shady swamps, particularly
near the salt water. Greenwich and Hoboken. ♀.
Aug. Sept. pale purple.
2 palustris. L. Borders of salt marshes. New-Utrecht.
♀. Aug.—Sept. purple.
3 Virginicus. L. (*Sweating weed.*) Borders of salt
marshes. Long-Island. ♀. Aug. rose coloured.



DIADELPHIA.

HEXANDRIA.

321. CORYDALIS. Ventenat.
1 Cucullaria. Pers. (*Bachelor's breeches. Breeches-flower.*
Colic-weed.)
Fumaria cucullaria. L.
Shady places, among rocks. ♀. April 12th, May.
white.
2 fungosa. Pers.
Fumaria fungosa. Ait.
recta Mx.
Shady rocky hills. ♂. July—Aug. white and red.
3 glauca. Ph.
sempervirens. Pers.
Fumaria sempervirens. L.
Rocks in Bloomingdale woods. ☼. ♂. May 10th—Aug. red
and yellow.
322. FUMARIA. L. *Fumitory.*
officinalis. L. In shady places, and along the banks of
the Hudson, Greenwich. ☼. May—July. reddish. §

OCTANDRIA.

323. **POLYGALA.** L. *Milkwort, &c.*
 1 incarnata. L. In meadows. ☼. June. flesh colour.
 2 paucifolia. Willd. (*Evergreen snake-root.*) Cedar swamp. N. Durham. May—June. 24. purple.
 3 Senega. L. (*Seneca snake-root.*) In open woods and on hills, New-Jersey. 24. June—July. white.
 4 lutea. L. Monmouth Co. New-Jersey. Eddy. ☼. ↑ yellow. v. v.
 5 sanguinea. L.
 purpurea. ? Nutt.
 Moist meadows. Greenwich. ☼. July—Oct. red.
 6 cruciata. Willd. In open sphagnous meadows. Hoboken. N. Jersey. ☼. Aug.—Sept.
 7 verticillata. L. On dry sandy hills. ☼. July—Oct. greenish-white.

DECANDRIA.

324. **CROTALARIA.** L. *Rattle-box.*
 1 sagittalis. Willd.
 C. sagittalis. B. Mx.
 In Bloomingdale woods. ☼. July—Aug. yellow.
 2 parviflora. Willd.
 C. sagittalis. a. Mx.
 On the Island of New-York. (*LeConte.*) Scarcely a distinct species from the former.
 325. **LUPINUS.** L. *Lupine.*
 perennis. L. On the sides of hills. New-Jersey and Long-Island. 24. May—June. blue.
 326. **PHASEOLUS.** L. *Kidney-bean.*
 1 perennis. Walt.
 paniculatus. Mx.
 In Bloomingdale woods. 24. July. purple.
 2 trilobus. Mx.
 angulosus. Ait. ?
 Dolichos trilobus. L.
 helvolus. Nutt.
 Glycine angulosa. Willd.
 triloba. Lin.
 On the rocky banks of the Hudson about Hoboken. ☼. Aug. purple.
 3 helvolus. L.
 Glycine peduncularis. Muhl.
 Dolichos helvolus. Nutt.
 In sandy fields. Greenwich and Long-Island. ☼. July—Aug. red and purple.
 327. **GLYCINE.** L. *American liquorice*
 1 monoica. Willd.
 bracteata. L. (Ph.)

- Amphicarpa monoica. Ell.
 In shady rocky places. ☉ July—Aug. pale purple.
 2 comosa. L. On the Island of New-York. *Le Conte*.
328. APIOS. Moench.
 tuberosa. Moench. Ph.
 Glycine Apios. L.
 In wet thickets and in woods. 24. July—Sept. dark-purple.
329. LATHYRUS. L. *Chickling vetch*.
 1 stipulaceus. LC. Low wet meadows. Greenwich. 24.
 June, July. purple.
 2 Myrtifolius. Willd. In Newark meadows. *Le Conte*. 24.
 purple.
330. PISUM. L. *Pea*.
 maritimum. L. On the shores of Long-Island, and the
 harbor of New-York. July. 24. pale-blue.
331. VICIA. L. *Vetch*.
 1 Caroliniana. Walt.
 parviflora. Mx.
 On high hills. 24. May—June. white.
 2 Americana. Willd. Shady rocky situations. June. 24.
 purple.
 3 sativa. Walt L. ? On the rocky shore at Hoboken. ☉.
 June. purple.
 4 pusilla. Muhl. In the same place. May—June. ☉. pur-
 ple.
332. ERVUM. L.
 hirsutum. L. ?
 Vicia Mitchilli. Raf. *Precis. des Decouv.*
 In shady rocky situations near the salt water. This is cer-
 tainly a native. ☉. May—June. blue.
333. ROBINIA. L. *Locust*.
 Pseudacacia. L. (*Common.*) Introduced from the
 South. 12. May. white.
334. STYLOSANTHES. Swartz.
 elatior. Sw.
 hispida. Mx.
 Trifolium biflorum. L.
 About Elizabethtown. *Eddy*. 24. July—Aug. yellow.
335. LESPEDEZA. Mx. *Bush clover*.
 1 sessiliflora. Mx.
 Hedysarum reticulatum. Muhl.
 sessiliflorum. Lmk.
 Medicago Virginica. L.
 In woods. New-Jersey. 24. Sept. violet.
 2 capitata. Mx.
 fruticosa. Pers.
 Hedysarum frutescens. L.
 In dry woods. 24. Aug. purple.
 3 polystachya. Mx.
 Hedysarum hirtum. L.

In open woods and hedges. 24. Aug. Sept. white.

4 violacea. Pers.

divergens. Ph.? (*Hedysarum*. Willd.)

Hedysarum violaceum.

Woods and copses. Bloomingdale. 24. Aug.—Sept. violet.

5 procumbens. Mx.

prostrata. Ph.

Hedysarum prostratum. Willd.

Borders of woods. Bloomingdale. 24. Aug. Sept. purple.

336. HEDYSARUM. L. *Sanfoin*.

1 Canadense. L. Sandy woods. 24. Aug. purple.

2 canescens. Willd. Woods. Bloomingdale. 24. Aug. purple.

3 Marylandicum. L. Woods. 24. July—Sept. purple.

4 obtusum. Willd. Woods. Bloomingdale. 24. Aug. purple.

5 viridiflorum. L. Woods and copses, Bloomingdale and Long-Island. 24. Aug. purple—green.

6 glabellum. Mx.

paniculatum. Willd.?

Woods, Bloomingdale. 24. Aug.—Sept. purple.

7 nudiflorum. L. Woods, and on rocky hills. 24. July—Aug. violet.

8 acuminatum. Mx.

glutinosum. Willd.

In woods near Weehawk. 24. Aug. purple.

9 rotundifolium. Mx. Rocky shady places, Bloomingdale. 24. Aug.—Sept. purple.

10 bracteosum. Mx.

cuspidatum. Willd.

In woods, among rocks. 24. Aug. purple.

337. TEPHROSIA. Pers.

Virginiana. Pers. (*Goat's rue*.)

Galega Virginiana. L.

On rocky hills, West-Chester. 24. July. white and purple.

338. TRIFOLIUM. L. *Clover. Trefoil*.

1 repens. L. (*White or Dutch clover*.) Common in grass-plots and fields. 24. May—Oct. white.

2 pratense. L. (*Red clover*.) Fields and pastures. 24. May—Oct. red. §.

3 arvense. L. (*Bull's clover. Pusses*.) Dry sandy soil. ☼. June—Sept. white. §.

339. MEDICAGO. L. *Medic. None-such*.

1 lupulina. L. (*Yellow clover*.) In gravelly fields. ☼. May—Oct. yellow.

2 sativa. L. (*Leucerne*.) In cultivated fields. 24. July. blue. §.

SYNGENESIA.

ÆQUALIS.

340. **Troximon.** Gaert.
Virginicum. Pers.
Tragopogon Virginicum. L.
Hyoseris prenanthoides. Willd.
amplexicaulis. Mx.
Krigia amplexicaulis. Nutt.
 In woods. Westchester. 24. June. yellow.
341. **Sonchus.** L. *Sow thistle.*
 1 *oleraceus.* L. Waste places and rubbish. ☉. July—
 Sept. yellow.
 2 *arvensis.* L. Banks of the Hudson. Greenwich. 24.
 July. August. yellow.
 3 *pallidus.* Willd.
Lactuca Canadensis. L.
 In old fields, and borders of woods. 24. July. yellow.
 4 *acuminatus.* Willd. On the hills near Weehawk Ferry.
 N. J. ♂. Aug. blue.
 5 *leucophaeus.* Willd.
spicatus. Lmk.
 In woods, near the Little-Falls of the Passaic. 24. Sept.
 Oct. ochroleucous.
342. **Lactuca.** L. *Lettuce.*
elongata. Willd. In shady swamps, and in woods. 24.
 July—Sept. pale yellow.
343. **Prenanthes.** L. *Wild lettuce. Ivy leaf. Milk weed.*
 1 *altissima.* L. Woods and copses. 24. July—Aug. yellowish white.
 2 *alba.* L. Woods and copses. 24. July—Sept. white.
 calyx purple.
344. **Leontodon.** L. *Dandelion.*
Taraxicum. L. In grass-plots and pastures. 24. April
 11—Nov. 25. yellow.
345. **Krigia.** Willd.
 1 *Virginica.* Willd. (*Dwarf dandelion.*)
Hyoseris Virginicus. L.
 On sandy hills and on rocks. ☉. May—July: orange.
346. **Hieracium.** L. *Hawk-weed.*
 1 *venosum.* L. (*Adder's tongue.*) In woods. 24. July—
 Aug. yellow.
 2 *Gronovii.* L. Sandy hills. 24. Aug. Sept. yellow.
 3 *paniculatum.* L. Shady rocky woods. Long-Island and
 Bloomingdale. 24. Aug. yellow.
 4 *scabrum.* Mx.
marianum. Willd.
 Sandy hills. 24. Aug. Sept. yellow.

347. **CICHORIUM.** L. *Succory. Endive.*
Intybus. L. (*Coffee weed.*) Old fields and road sides.
 24. June—Oct. blue or violet. §.
348. **ARCTIUM.** L. *Burdock.*
Lappa. L. Road sides, and borders of fields. ♂. 24.
 Aug.—Dec. purple. §.
- 349 **CNICUS.** Willd. *Thistle.*
 1 lanceolatus Willd. (*Spear thistle.*)
Carduus lanceolatus. Sm. ♂. July—Oct. purple. §.
 2 altissimus. Willd.
Carduus altissimus. L.
Cirsium repandum. Mx.
 Old fields. 24. June—Sept. purple. sometimes white.
 3 arvensis. Pers. (*Canada thistle.*)
Carduus arvensis. Sm.
Serratula arvensis. L. Willd.
 Road sides. Long-Island. 24 ? July—Sept.
 4 horridulus. Muhl. Ph.
Carduus horridulus. Pers.
Cirsium horridulum. Mx.
 Fields and woods. 24. June, Aug. pale yellow.
 5 muticus. Muhl. Ph.
Cirsium muticum. Mx.
 In meadows. Love lane, Greenwich, and in swamps, N. J.
 ♂. Aug. Sept. purple.
 6 discolor. Muhl.
Carduus discolor. Pers.
 Grows at the foot of the serpentine hills, Hoboken. ♂. Ju-
 ly—Sept. purple.
 7 pumilus. Nutt.
odoratus. Muhl. Cat.
 In the vicinity of New-York. (*Nuttall.*)
B. Hystrix. Nutt. Collected by W. Stuve, M. D. on
 the banks of the Hudson, in the vicinity of the city of
 New-York. (*Nuttall.*)
350. **BIDENS.** L. *Burr-marygold. Beggar-ticks.*
 1 cernua. L. Low grounds and in ditches. ☉. Aug.—Oct.
 yellow.
 2 Chrysanthemoides. Mx.
connata. Willd.
Coreopsis perfoliata. Walt.
 In ditches and overflowed meadows. ☉. Aug.—Oct. yellow.
 3 frondosa. L. Wet shady woods, Bloomingdale. ☉.
 Aug. yellow.
 4 bipinnata. L. (*Cuckolds.*) Old fields and along the
 Hudson. ☉. July—Sept.
351. **MIKANIA.** Willd. *Climbing hempweed.*
scandens. Willd.
Eupatorium scandens. L.

In low marshy shady places. 24. July—Sept. pink.

352. **EUPATORIUM.** L. *Hemp agrimony. Hempweed.*
 1 sessilifolium. L. On high rocky hills, Weehawk. 24.
 Aug.—Sept. white.
 2 hyssopifolium. Willd. In sandy fields. *Long-branch.*
Cooper. 24. Aug. white.
 3 teucrifolium. Willd. In exsiccated swamps, Greenwich.
 24. July—Sept. white.
 4 ceanothifolium. L. Rocky woods, New-Jersey. 24.
 Aug. white.
 5 amoenum. Ph. Woods near Flushing. Long-Island. *Prince.*
 24. Aug. purple.
 6 trifoliatum. L. In woods. New-Jersey. 24. Aug. Sept.
 purple.
 7 purpureum. L. Swamps and low wet grounds. 24. Aug.
 Sept. purple.
 8 verticillatum. Willd. (*Joe Pye's weed.*) Swamps and
 woods. 24. Aug. Sept. purple.
 9 maculatum. L. Swamps. 24. Aug. Sept. rare. pur-
 ple.
 10 laevigatum. *Sp. Nov.* Cedar swamp at New-Durham.
 24. Aug. purple.
 11 perfoliatum. L. (*Bone-set.*) Low boggy grounds. Aug.
 Sept. white.
 12 ageratoides. Willd.
 urticaefolium. Mx.
 Ageretum altissimum. L.
 On the hills behind Hoboken. 24. Aug.—Oct. white.
353. **LIATRIS.** L. *Button snake root.*
 scariosa. L. Swamps. New-Jersey. *Dr. Eddy.* Sept.
 purple.
354. **VERNONIA.** L.
 Noveboracensis. L. Swamps and low grounds. 24.
 Aug.—Oct. purple.

SUPERFLUA.

355. **TANACETUM.** L. *Tansey.*
 vulgare. L. Fields, road sides, and among rubbish. 24.
 Aug. Sept. yellow. §.
356. **ARTEMISIA.** L. *Worm-wood.*
 Canadensis. Mx. On the sea coast, and the shores
 of the harbour of New-York. *Rafinesque.* 24. Aug.
357. **GNAPHALIUM.** L. *Cud weed. Life everlasting.*
 1 plantaginifolium. L.
 dioicum. L. ?
 Woods and on hills. 24. April—Sept. white or pale pur-
 ple.

- 2 polycephalum. Mx.
 obtusifolium. L.
 In woods. ☉. Aug. yellowish-white.
- 3 margaritaceum. L. (*Balsam.*) On hills in woods. 24.
 white.
- 4 uliginosum. L. Low wet grounds. ☉. Aug. white.
- 5 Pennsylvanicum. Muhl.
 Bart. Comp. Fl. Phil. 2. p. 104.
 Americana. Willd.
 Borders of woods, and in fields. ☉. June. white.
358. BACCHARIS. L. *Ploughman's spikenard.*
 halimifolia. Mx. (*Groundsel tree.*) Borders of salt
 marshes. Long-Island. On the sea coast about Long-
 Branch. Cooper. 2. Sept.—Oct. white.
359. CONYZA. L. *Marsh flea bane.*
 camphorata. Muhl. Cat.
 Marylandica. Mx.
 Erigeron Camphoratum. L.
 In salt marshes. ☉. Aug.—Oct. purple.
360. ERIGERON. L. *Flea bane.*
 1 bellidifolium. Willd. (*Robert's plantain.*)
 pulchellum. Mx.
 On the sides of hills. 24. May. pale blue.
- 2 Philadelphicum. L. In woods and old fields. 24. June—
 Oct. purple.
- 3 purpureum. Ait. In wet meadows and borders of woods.
 24. June. purple.
- 4 strigosum. Muhl. In pastures and open woods. 24. June
 —Nov. white.
- 5 heterophyllum. Muhl.
 Aster annuus. L. (*Muhl.*)
 In fields and meadows. 24. June—Oct. white or pale-
 blue.
- 6 Canadense. L. Cultivated grounds. ☉. Aug.—Nov.
 white. §?
 B. pusillum.
 Erigeron pusillum. Nutt.
 Grows with the former.
361. SENECIO. L. *Groundsel.*
 1 hieracifolius. L. (*Fire weed.*) Road sides and low
 grounds. ☉. Aug.—Oct.
- 2 aureus. Willd. Wet meadows. Bloomingdale. 24. May
 —July. yellow.
- 3 Balsamitae. Willd. Wet meadows, along brooks. N.
 Jersey. 24. June—July. yellow.
362. ASTER. L. *Starwort.*
 1 solidaginoides. Willd.
 dracunculoides. Lmk.
 Conyza linifolia. L.
 Woods and copses. 24. Aug.—Sept. white.

- 2 *ledifolius*. Ph. In the cedar swamp at New-Durham. 24. Sept. purple.
- 3 *linariifolius*. L.
Inula linariifolia. Nutt.
On high rocky hills. New-Jersey. 24. Sept. violet.
- 4 *subulatus*. Mx. In salt marshes. 24. Aug.—Nov. purple.
- 5 *sparsiflorus*. Mx.
flexuosus. Nutt.
In salt marshes. 24. Aug.—Oct. purple.
- 6 *concolor*. Willd. In pine woods. New-Jersey. 24. Aug.—Nov. blue.
- 7 *cornifolius*. Muhl. In woods. 24. Aug. white.
- 8 *amygdalinus*. Mx.
umbellatus. Ait.
Inula amygdalina. Nutt.
In woods and moist shady places. 24. Sept. white.
- 9 *Novae Angliae*. L. In fields along fences. 24. Aug.—Oct. purple.
- 10 *cyaneus*. Hoff. In fields and woods. 24. Aug.—Oct. blue.
- 11 *diversifolius*. Mx.
patens. Willd.
On the serpentine rock, Hoboken. 24. Sept.—Oct. blue.
- 12 *paniculatus*. Ait. In open woods. 24. Sept.—October. blue.
- 13 *cordifolius*. L. Willd.
heterophyllus. Willd. Enum. (*Muhl.*)
In dry rocky woods. 24. Sept. white.
- 14 *corymbosus*. Ait. In woods. Aug.—Sept. white.
- 15 *macrophyllus*. Ait. Rocky shady woods. Bloomingdale. Aug. white or pale-blue.
- 16 *puniceus*. L. Shady swamps. New-Jersey. 24. Sept. blue.
- 17 *amoenus*. Lmk.? Borders of salt marshes, near Greenwich. 24. Sept. violet.
- 18 *Novae Belgii*. L. Fields and open woods. 24. Aug. violet.
- 19 *conyzoides*. Willd.
Marylandicus. Mx.
Conyza asteroides. L.
Woods and copses. 24. July. Aug. white.
- 20 *miser*. L. Common in old fields. 24. Sept.—October. white.
- 21 *diffusus*. Ait. In old fields and cultivated grounds. 24. Oct. white.
- 22 *pendulus*. Ait. In old fields. 24. Oct. white.
363. *SOLIDAGO*. L. *Golden rod*.
- 1 *Canadensis*. L. In old fields along fences. 24. Aug.—Sept. yellow.

- 2 *procera*. Ait. In fields. Long-Island. 24. Sept. yellow.
- 3 *lateriflora*. Ait. Common in old fields. 24. Aug.—Oct. yellow.
- 4 *aspera*. Ait. Fields and open woods. 24. Sept. yellow.
- 5 *altissima*. Willd. Hedges and fields. 24. Sept. yellow.
- 6 *patula*. Muhl. In woods and commons. 24. Sept. yellow.
- 7 *nemoralis*. Ait. Borders of woods and along fences. 24. Sept.—Oct. yellow.
- 8 *odora*. Ait. Dry woods near Weehawk. 24. Aug. yellow.
- 9 *bicolor*. L. In woods and on dry stony hills. 24. Aug.—Sept. white.
- 10 *graminifolia*. Nutt.
lanceolata. Ait.
Chrysocoma graminifolia. L.
 In exsiccated swamps. Greenwich. 24. Aug. yellow.
- 11 *laevigata*. Ait. In salt marshes. 24. Sept.—Oct. yellow.
- 12 *flexicaulis*. L. On dry hills. Clark's cedars. 24. Oct. yellow.
- 13 *axillaris*. Ph.
flexicaulis, var. *3-tia*. Mx.?
 On rocky hills. 24. Sept.—Oct. yellow.
- 14 *rigida*. Ait. On rocky hills. New-Jersey. 24. Sept. yellow.
- 15 *Noveboracensis*. L. In exsiccated swamps. Greenwich. 24. Aug.—Sept. yellow.
- 16 *puberula*. Nutt. In sandy fields. New-Jersey, near Amboy. (*Nuttall*.)
364. *INULA*. L. *Elecampane*.
 1 *Helenium*. L. Road sides. New-Jersey and Long-Island. 24. July—Aug. yellow.
- 2 *mariana*. L. In dry woods. New-Jersey. 24. Aug.
- 3 *falcata*. Ph. In the pine barrens of New-Jersey, *Eddy*. v. s. Sept.—Oct. yellow.
365. *CHRYSANTHEMUM*. L. *Ox-eye daisy*.
Leucanthemum. L. Meadows, road sides, &c. 24. May—Nov. white.
366. *ANTHEMIS*. L. *Chamomile*.
 1 *arvensis*. L. (*Willd.*) In fields and on road sides. ☉. July. white.
- 2 *Cotula*. L. (*May weed*.) Fields, meadows and road sides. ☉. June—Nov. white.
367. *ACHILLEA*. *Farrow*. *Milfoil*.
 1 *Millefolium*. L. In meadows, along ditches. 24. June—Aug. white.
- 2 *Ptarmica*. L. (*Sneeze wort*.) Swamps. New-York. *Eddy*. 24. Aug. white.

368. **HELENIUM.** L. *False sun-flower.*
autumnale. L. In bog meadows. New-Jersey. 24. Aug.
 —Sept. yellow.

FRUSTRANEA.

369. **HELIANTHUS.** L. *Sun-flower.*
 1 *divaricatus.* L. In woods, on the sides of hills. 24. Aug.
 yellow.
 2 *trachelifolius.* Willd.
Gigas. Mx.
 Rocky woods. 24. Aug.—Sept. yellow.
 3 *altissimus.* L. Low shady places. N. Jersey. 24. Aug.
 yellow.
 4 *decapetalus.* L. Borders of woods and on the sides of
 hills. 24. Aug. yellow.
 5 *frondosus.* L. In similar situations. 24. July—Sept.
 yellow.
 6 *angustifolius.* L. In the pine barrens of New-Jersey.
Eddy. 24. Sept. yellow.
 370. **RUDBECKIA.** L.
laciniata. Willd. In swamps. New-Jersey, near Wee-
 hawk. 24. Aug. yellow.
 371. **COREOPSIS.** L. *Tick-seed sun-flower.*
 1 *trichosperma.* Mx. In the cedar swamp at N. Durham.
 8. July—Sept. yellow.
 2 *gladiata.* Walt.
dichotoma. Mx.
 In the same place. 8. Sept. yellow.
 3 *alternifolia.* L.
Actinomeris squarrosa. Nutt.
Verbesina Coreopsis. Mx.
 In meadows. New-Jersey. 24. Aug. yellow.

NECESSARIA.

372. **IVA.** L. *Bastard Jesuit's bark.*
frutescens. L. (*High-water shrub.*) On the borders of
 salt marshes. 12. Aug.—Sept.



GYNADRIA.

MONANDRIA.

373. **ORCHIS.** L.
 1 *ciliaris.* L. In a swamp in Love-lane, and in Hoboken
 meadows. 24. Aug. orange.
 2 *cristata.* Mx. In the cedar swamp at N. Durham. 24.
 July. pale-yellow.

- 3 *lacera*. Mx. In exsiccated swamps and in wet meadows.
 2. July—Aug. greenish-white.
- 4 *tridentata*. Willd. In the cedar swamp at N. Durham.
 2. July. greenish-white.
- 5 *spectabilis*. L.
humilis. Mx.
 Rocky shady situations. Hills behind Hoboken, and in
 Bloomingdale woods. 2. May—June. purple.
- 6 *orbiculata*. Ph. (*Heal-all*.)
rotundifolia. Muhl. Cat.
 In wet meadows. Highlands of New-York. *Watkins*. 2.
 June. greenish-white.
- 7 *fimbriata*. Willd. Meadows about Elizabethtown. N.
 Jersey. *Ed*. July—Aug. purple.
- 8 *incisa*. Willd. Wet meadows. New-Jersey. 2. July.
 purple.
374. **NEOTTIA**. Swartz. *Ladies' tresses*.
 1 *tortilis*. Willd.
aestivalis. Pers.
Ophrys aestivalis. Mx.
Satyrium spirale.
 In meadows and open woods. 2. July—Sept. white.
- 2 *cernua*. Swartz.
Ophrys cernua. L.
Limodorum autumnale. Walt.
 In wet boggy meadows. 2. Aug.—Oct. white.
- 3 *pubescens*. Willd.
Satyrium repens. Mx.
Goodyera repens. Brown.
 In shady woods. 2. July—Aug. white.
375. **ARETHUSA**. L. *Snake's mouth*.
 1 *ophioglossoides*. L.
Pogonia ophioglossoides. R. Brown.
 In the cedar swamp at New-Durham. 2. July. purple.
- 2 *pendula*. Muhl.
trianthophorus. Sw.
nutans. Le Conte's Cat.
parviflora. Mx.
Triphora pendula. Nutt.
 Fort Washington, N. York Island, and on the high hills
 of Staten-Island. 2. Sept. pale-purple.
- 3 *bulbosa*. Sw. On Long-Island. *Haines*. In the cedar
 swamp near Weehawk. June. purple.
376. **EPIPACTIS**. Swartz.
convallarioides. Sw.
Ophrys cordata. Mx.
Listeria convallarioides. Brown.
 In the cedar swamp at N. Durham. 2. May. greenish and
 purple.

377. MALAXIS. Swartz.

1 liliifolia. Sw.

Ophrys liliifolia. L.

Shady wet woods. Haerlem. Weehawk, &c. 24. June.
white and green.

2 unifolia. Mx.

ophioglossoides. Willd.

In the cedar swamp, New-Durham. 24. June.

378. CYMBIDIUM. Willd.

1 pulchellum. Sw.

Limodorum tuberosum. L.

Calopogon pulchellum. Br.

Borders of the salt marsh, near Powles-Hook. New-Jersey.
24. July. purple.2 Odontorhizon. Willd. (*Dragon's claw.*)

Ophrys Corallorhiza. Mx.?

Corallorhiza Odontorhiza. R. Br.

Shady woods. Bloomingdale, &c. July—Sept.

3 hyemale. Willd. (*Adam and Eve. Putty root.*) Shady
woods, in fertile soil. New-Jersey. May—June.
green and purple.

DIANDRIA.

379. CYPRIPEDIUM. L.

Ladies' slipper. Indian shoe.

1 pubescens. Willd.

Calceolus. B. L.

flavescens. Red.

In meadows, and on fertile woody hills. New-Jersey. 24.
May—June. yellow.

2 parviflorum. Salisb.

Calceolus. Mx.

24. May. yellow. *Le Conte.*

3 spectabile. Willd.

Canadense. Mx.

In the cedar swamp near Weehawk, N. Jersey. 24. white
and red. June.

4 acaule. Mx.

humile. Willd.

In shady woods. New-Jersey. On the summit of Butter-
hill. Highlands of New-York. 24. June. purple.

HEXANDRIA.

380. ARISTOLOCHIA. L. *Birth-wort. Virginian snake-root.*Serpentaria. L. Rocky shady woods. New-York,
Weehawk, and on Long-Island. 24. June. purple.

MONOECIA.

MONANDRIA.

381. **ZOSTERA.** L. *Grasswrack.*
marina. Vahl. On the sea shore, and in salt water
 bays near New-York. 24.
382. **CAULINIA.** Willd.
flexilis. Willd. In slow flowing streams. ☉. Sept.
383. **CHARA.** L.
vulgaris. L. (*Feather beds.*) In ponds, and slow flow-
 ing streams. ☉. July.

DIANDRIA.

384. **LEMNA.** L. *Duck's meat.*
 1 *minor.* L. In ditches and stagnant waters. 24. ? July
 —Aug.
 2 *polyrhiza.* L. In similar situations. Hoboken. 24. Aug.
 3 *dimidiata.* Raf. Amer. Mon. Mag. In ponds, in woods,
 near Brooklyn. v. v.

TRIANDRIA.

385. **TYPHA.** L. *Cat's tail. Reed mace.*
 1 *latifolia.* L. Marshes and pools. 24. June—July.
 2 *angustifolia.* L. In similar situations. 24. June—July.
386. **SPARGANIUM.** L. *Burr reed.*
 1 *ramosum.* Sw.
erectum. L.
 In ditches and small streams. 24. Aug.—Sept. white.
 2 *Americanum.* Nutt.
simplex. Muhl.—Ph.
 In similar situations. 24. Aug.
387. **TRIPSACUM.** L. *Sesame grass.*
dactaloides. Willd.
monostachyon. Willd.
 On the brow of the serpentine hill at Hoboken. 24. Aug.
388. **CAREX.** L. *Sedge.*
 1 *sterilis.* Willd. In wet meadows. 24. May.
 2 *polytrichioides.* Willd.
microstachya. Mx.
 Low wet places. 24. May.
 3 *bromoides.* Schk. In boggy meadows. 24. May.
 4 *squarrosa.* L.
typhina. Mx.
 In low boggy meadows. Greenwich. 24. June.
 5 *pedunculata.* Willd. Moist shady grounds. 24. June—
 July.
 6 *lagopodioides.* Willd. In boggy meadows. 24. June.

- 7 scoparia. Willd. In similar situations. 24. June.
 8 multiflora. Willd. In swamps. 24. May.
 9 stipata. Willd. Wet meadows and swamps. May.
 10 stellulata. Willd. In boggy meadows. 24. June.
 11 sparginoides. Willd. Wet meadows. 24. June.
 12 varia. Willd. On dry rocky hills, and in woods. 24.
 April—May.
 13 marginata. Willd. In dry woods. 24. May.
 14 vestita. Willd. In bog meadows. 24. June.
 15 subulata. Mx. In the cedar swamp at Weehawk. 24.
 July.
 16 tentaculata. Willd. In swamps. 24. May June.
 17 rostrata. Mx. In swamps and low grounds. 24. June.
 18 lupulina. Willd. In boggy meadows. Greenwich. 24.
 June.
 19 plantaginea. L. In woods and wet meadows. 24. April
 —June.
 20 anceps. Schr. In woods and on rocky hills. 24. April
 —May.
 21 oligocarpa. Willd. In woods. 24. May.
 22 pseudo-cyperus. Willd. In the cedar swamp, N. Dur-
 ham. June.
 23 conoidea. Willd. In woods and moist shady grounds.
 24. May.
 24 laxiflora. Willd. Moist shady places. 24. May—
 June.
 25 folliculata. Willd.
 inteumscens. Rudge. Lin. Trans.
 In swamps. 24. June.
 26 miliacea. Schk. In swamps. 24. May.
 27 pellita. Willd. In swamps and low wet grounds. 24.
 May—June.
 28 crinita. Willd. In swamps. 24. June.
 29 acuta. Willd. Marshes and banks of rivers. 24. May.
 30 lacustus. Willd.
 riparia. Muhl. Gram.
 In swamps and borders of ponds. 24. June.
 389. SCLERIA. Gaert. Whip-grass.
 triglomerata Mx. In Newark meadows. Le Conte.
 390. COMPTONIA. Gaert. Sweet fern.
 asplenifolia. Ait.
 Liquidambar asplenifolium. L.
 Rocky woods. Bloomingdale, &c. 24. May.
 391. SERPICULA. L.
 occidentalis. Ph.
 verticillata. Muhl. Cat.
 Elodea Canadensis. Mx.
 Udora Canadensis. Nutt.
 In the Passaic, plentifully. Aug.—Sept. white.

TETRANDRIA.

392. *ALNUS*. Willd. *Alder*.
serrulata. Willd. (*Common or hazle alder*.)
Betula serrulata. Ait.
rugosa. Ehrh.
 In swamps, woods and along hedges. $\frac{1}{2}$. March 26. April.
393. *URTICA*. L. *Nettle*.
 1 *pumila*. Willd. (*Rich-weed*.) Wet shady places. ☉.
 July—Aug.
 2 *dioica*. L. (*Common-nettle*.) Road sides. Rare about
 New-York. $\frac{1}{4}$. July.
 3 *Canadensis*. L. In Newark meadows. *Eddy*. $\frac{1}{4}$.
 Sept.
394. *BOEHMERIA*. Willd.
cylindrica. Willd.
Urtica cylindrica. L.
 In shady swamps. Bloomingdale and Weehawk. $\frac{1}{4}$. July
 —Aug.
395. *MORUS*. L. *Mulberry*.
rubra. L. Woods. Bloomingdale. $\frac{1}{2}$. May—June.

PENTANDRIA.

396. *XANTHIUM*. L. *Clotweed*.
 1 *Strumarium*. L. (*Lesser burdock*.) In fields about
 Harsimus, N. Jersey. ☉. Sept.
 2 *Oriente*. Muhl. Cat.
maculatum. Raf.
macrocarpon. D. C. ?
 On the sandy shores of the harbour of New-York, and on the
 sea coast. ☉. Aug.—Sept.
397. *AMBROSIA*. L. *Hog-weed*.
 1 *trifida*. L. On the banks of ditches and in waste places.
 ☉. Sept.
 2 *elatior*. L. In old fields. ☉. Sept.
 3 *artemisifolia*. L. In old fields. ☉. Aug.—Sept.
398. *AMARANTHUS*. L.
 1 *albus*. L. In old fields. ☉. July—Aug.
 2 *hybridus*. L. In cultivated grounds. ☉. Aug.
 3 *lividus*. L. In cultivated grounds. ☉. Aug.

HEXANDRIA.

399. *ZIZANIA*. L. *Canada rice*.
clavulosa. Mx. (*Water oats, or wild rice*.)
aquatica. Ph.
 In Hackensack meadows. ☉. Muhl. $\frac{1}{4}$. Ph. Aug.—Oct.

POLYANDRIA.

400. CERATOPHYLLUM. L. *Horn-wort.*
demersum. L. In stagnant waters and slow flowing
streams. 24. July.

401. SAGITTARIA. L. *Arrow-head.*
1 sagittifolia. L. In ponds and small creeks. Greenwich.
July. white.
2 latifolia. Willd.
sagittifolia.

In similar situations. 24. July—Aug. white.

- 3 hastata. Ph. var. of *S. sagittifolia*? In the cedar
swamps at Weehawk. New-Jersey. 24. July.

- 4 lancifolia. Willd.? In ponds near Newburgh. 24. July.
white.

- 5 pusilla. Nutt. Muhl. Cat.?
Alisma subulata. Mx. Ph.

On the muddy banks of the small streams which flow into the
Hackensack river, N. Jersey. 24. Aug. white.

- 6 graminea. Mx. Ph.?
graminifolia. Muhl. Cat.

On the island of New-York. *Le Conte*.

- 7 acutifolia. Ph. Nutt. On the muddy banks of the Pas-
saic river. 24. Sept. white.

402. JUGLANS. L. $\frac{1}{2}$. *Walnut. Hickory.*
*JUGLANS. L. and *Nuttall*.

- 1 nigra. L. (*Black walnut*.) In woods. May.

- 2 cinerea. L. (*Butter-nut*.)
cathartica. Mx. f.

In woods. Manhattanville and New-Jersey. May.

- 3 hybrida. LC. Near where the eighth avenue intersects the
road called Lake's Tour, about 3 miles from the city—
a large tree. May.

**CARYA. *Nuttall*. *Hickoria*. *Raf*.

- 4 compressa. Gaert. Willd. (*Shag-bark*.)
alba. Mx.

squamosa. Mx. f.

In woods. May.

- 5 alba. L. Willd. (*Common hickory*.)
tomentosa. Mx.

Woods. May.

- 6 amara. Mx. f. (*Bitter-nutt*.) In woods. May.

- 7 glabra. Muhl. (*Pig-nut*.)
porcina. Mx. f.

In woods. May.

403. QUERCUS. L. $\frac{1}{2}$. *Oak.*

- 1 Phellos. Willd. (*Willow oak*.) Grows 6 miles from S.
Amboy, on the road to Monmouth, and about Long
Branch.

- 2 tinctoria. Willd. (*Black oak. Quercitron.*)
 tinctoria angulosa. Mx.
 Woods. May.
- 3 rubra. Willd. (*Red oak.*) In woods. New-York and
 New-Jersey. May.
- 4 falcata. Mx. (*Spanish oak.*)
 elongata. Willd.
 In woods. Common in New-Jersey.
- 5 palustris. Willd. (*Swamp oak. Pin oak.*) Wet swampy
 woods. Bloomingdale.
- 6 stellata. Willd. (*Post oak. Iron oak.*)
 obtusiloba. Mx.
 In woods. Common. May.
- 7 alba. Willd. (*White oak.*) In woods. Bloomingdale.
- 8 prinus. Willd. (*Chesnut white oak. Swamp chesnut oak.*)
 Q. prinus palustris. Mx.
 Common in all the woods. May.
- 9 montana. Willd. (*Rock chesnut oak.*)
 monticola. Muhl. Cat.
 Q. prinus monticola. Mx.
 In Bloomingdale woods.
404. CORYLUS. L. $\frac{1}{2}$. *Hazle nut.*
 Americana. Wang. Woods. April—May.
405. FAGUS. L. $\frac{1}{2}$. *Beech.*
 ferruginea. Ait. Bloomingdale woods. May.
406. CASTANEA. Tourn. $\frac{1}{2}$. *Chesnut.*
 vesca, var. Americana. Mx.
 Fagus Castanea. L.
 Bloomingdale woods. June. July.
407. BETULA. L. $\frac{1}{2}$. *Beech.*
 1 populifolia. Ait. (*Broom birch.*)
 acuminata. Ehrh.
 In woods. New-Jersey. June.
- 2 excelsa. Ait. (*Yellow birch.*)
 lutea. Mx. f.
 Bloomingdale. May.
- 3 nigra. L. (*Black or sweet-scented birch.*)
 lanulosa. Mx.
 rubra. Mx. f.
 On the banks of rivers. New-Jersey. New-York Island.
 Le Conte. May.
- 4 papyracea. Willd. (*Paper birch. Canoe birch.*)
 papyrifera. Mx.
 Grows about Plandome, L. I. Eddy.
- 5 glandulosa. Willd. On the island of New-York. Le
 Conte.
- 6 tremula. Mx. f. In Bloomingdale woods.
408. CARPINUS. L. $\frac{1}{2}$. *Hornbeam.*
 Americana. Willd.

- Virginiana. Mx. f.
Woods. April—May.
409. *OSTRYA*. Micheli. $\frac{1}{2}$. Hop-hornbeam.
Virginica. Willd. (*Iron wood. Lever-wood.*)
Carpinus Virginiana. Lmk.
In woods and on the banks of rivers. New-York and New-Jersey. May.
410. *PLATANUS*. L. $\frac{1}{2}$. Plane-tree.
occidentalis. L. (*Button wood.*) Woods, &c. May.
411. *LIQUIDAMBAR*. L. $\frac{1}{2}$. Sweet-gum. Gum-tree.
Styraciflua. L. (*Bilstead.*) Woods. May.
412. *ARUM*. L. Wake robin.
1 triphyllum. L. (*Indian turnip. Man-in-a-pulpit.*) Wet
shady woods. $\frac{1}{4}$. May—June. Dioica. a. spatha vi-
rescens (Mas.) b. spatha atropurpurea. (foemina.)
2 Virginiana. L. (*Poison arum.*)
Calla Virginica. Mx.
In the cedar swamp at N. Durham. $\frac{1}{4}$. July. spatha green.
413. *CALLA*. L. Water arum.
palustris. L. In the cedar swamp at N. Durham. $\frac{1}{4}$.
July.

MONADELPHIA.

414. *PINUS*. L. $\frac{1}{2}$. Pine. Spruce.
1 Canadensis. L. (*Hemlock spruce.*)
Abies Canadensis. Mx.
Woods. Manhattanville. May—June.
2 nigra. Ait. (*Double spruce.*)
Abies denticulata. Mx.
In the cedar swamp at New-Durham. May.
3 inops. Ait. In the barrens of New-Jersey. May.
4 Strobis. L. Near Manhattanville. Rare near N. York.
May.
5 rigida. L. In woods. rare. May.
6 pendula. Ait. In the cedar swamp at New-Durham.
415. *THUYA*. L. $\frac{1}{2}$. Arbor vitae.
occidentalis. L. (*White cedar.*) On the rocky banks of
the Hudson. New-York and New-Jersey. May.
416. *CYPRESSUS*. L. $\frac{1}{2}$. Cypress.
thuyoides. L. (*White cedar. Swamp cedar.*) Cedar
swamps, New-Durham. May.
417. *ACALYPHA*. L. Three seeded mercury.
Virginica. L. Dry gravelly soil, and on rocks. ☉. Aug.
418. *SICYOS*. L. Single seeded cucumber.
angulata. L. Banks of rivers. Frequent in cultivated
grounds. ☉. Sept. white.

DICECIA.

DIANDRIA.

419. VALLISNERIA. L.

spiralis. L. ?

Americana. Mx.

Near the mouth of Fishkill creek. *Knevels*. The peduncles were invariably spiral. 24. Aug.420. SALIX. L. $\frac{1}{2}$.*Willow*.

1 Muhlenbergiana. Willd.

incana. Mx.

In swamps. Bloomingdale. April—May.

2 conifera. Willd.

eriocephala. Mx.

Banks of ditches and in swamps. April,

3 nigra. Willd.

Caroliniana. Mx.

Swamps and wet woods. April—May.

4 vitellina. L. Along hedges, ditches, and on road sides.
May. §.5 Babylonica. L. (*Weeping-willow*.) Introduced. May.6 lucida. Willd. In the cedar swamp, New-Durham.
May.

TETRANDRIA.

421. MYRICA. L. $\frac{1}{2}$.*Gale*.cerifera. L. (*Candle-berry*. *Bay-berry*.) Woods and
copses. May.

PENTANDRIA.

422. NYSSA. L. $\frac{1}{2}$.*Tupelo*.1 villosa. Mx. (*Sour-gum*.)

multiflora. Walt.

In woods, and on the banks of rivers. June.

2 biflora. Willd. Mx. (*Pepperidge*.)

aquatica. L.

On the island of New-York. *Le Conte*. L. Island. ?

423. ACNIDA. L.

Wild-hemp.

cannabina. L. In salt marshes. ☼. July—Aug.

HEXANDRIA.

424. SMILAX. L.

Green-briar. *Rough bind-weed*.

1 glauca. Mx.

sarsaparilla. L.

In swamps. $\frac{1}{2}$. June—July.

- 2 rotundifolia. L. Willd.
 quadrangularis. Willd.
 Hedges, &c. common. $\frac{1}{2}$. June.
 3 caduca. L. Hedges and borders of woods. $\frac{1}{2}$. June.
 4 laurifolia. L. On the island of New-York. *Le Conte.* $\frac{1}{2}$.
 5 herbacea. L. Moist shady places. Greenwich. $\frac{1}{4}$.
 June.

425. DIOSCOREA. L. *Yam-root.*
 villosa.
 paniculata. Mx.
 Climbing in hedges. $\frac{1}{4}$. June.

OCTANDRIA.

426. GLEDITSCHIA. L. $\frac{1}{2}$. *Honey locust.*
 triacanthos. L. June. white. Introduced from the
 southern states. ?
 427. POPULUS. L. $\frac{1}{2}$. *Poplar. Aspen.*
 1 candicans. Ait. On the serpentine hills at Hoboken.
 Native. ?
 2 tremuloides. Mx. (*Aspen.*)
 laevigata. Willd. ?
 In Bloomingdale woods.
 3 heterophylla. L. Mx. (*Cotton-tree.*) Swamps in Bloom-
 ingdale woods.
 4 grandidentata. Mx. In Bloomingdale woods. *Le Conte.*
 5 betulifolia. Ph. On the Hackensack road, near Hobo-
 ken. N. Jersey.

DODECANDRIA.

428. MENISPERMUM. L. *Moon-seed.*
 Canadense. L. In moist woods and in hedges. $\frac{1}{4}$. July.
 yellowish-white.

MONADELPHIA.

429. JUNIPERUS. L. $\frac{1}{2}$. *Juniper. Cedar.*
 1 communis,
 var. depressa.
 Woods near Fishkill. June.
 2 Virginiana. L. Woods, &c. April—May.
 430. TAXUS. L. *Few.*
 Canadensis. Willd.
 baccata minor. Mx.
 Near Fishkill. *Judge Verplank.*

CRYPTOGAMIA.

GONOPTERIDES.

431. **EQUISETUM.** L. *Horse-tail.*
 1 arvense. L. Low boggy grounds. 24. April 17.
 2 sylvaticum. Willd. In woods. 24. May.
 3 palustre. L. ? Marshes and banks of rivers. N. Jersey.
 24. June.
 4 hyemale. L. (*Scouring rush.*) Bogs and marshes.—
 Greenwich. 24. April.
 5 scirpioides. Mx. Pine barrens of New-Jersey. Eddy.

STACHYOPTERIDES.

432. **LYCOPodium.** L. *Club-moss.*
 1 clavatum. Willd. Woods. 24. July.
 2 complanatum. L. Dry rocky woods. 24. Aug.
 3 dendroideum. Willd. (*Ground pine.*)
 obscurum. L.
 In woods. Bloomingdale. 24. July.
 4 selaginoides. Willd. Moist woods. Bloomingdale. 24.
 June.
 5 rupestre. L. On rocks in woods. Bloomingdale, and
 Fort-Washington. 24. June—July.
 6 apodum. Willd. ? On moist rocks in Bloomingdale
 woods. 24. July.
 7 lucidum. Willd. In woods. 24. June—July.
 433. **BOTRYCHIUM.** Willd. *Rattle-snake fern.*
 1 fumaroides. Willd.
 Botrypus lunaroides. Mx.
 Osmunda biternata. Lmk.
 Moist shady woods. Manhattanville. 24. Aug.
 2 dissectum. Willd. Moist shady woods. Bloomingdale.
 24. Aug.
 3 Virginicum. Willd.
 Osmunda Virginica. L.
 Botrypus Virginicus. Mx.
 In similar situations. 24. July.
 4 gracile. Ph. In the woods at Bloomingdale, and on the
 hills at Hoboken. 24. July.

SCHISMATOPTERIDES.

434. **OSMUNDA.** L. *Flowering fern.*
 1 cinnamomea. Mx.
 Claytoniana. Mx.
 Low swampy grounds. 24. June.
 2 interrupta. Mx. Marshy grounds and banks of rivers.
 24. June—July.

- 3 spectabilis. Willd.
regalis, B. Mx.
Swamps. Greenwich. 24. June.

FILICES.

435. POLYPODIUM. *Polypody.*
1 vulgare,
var. Virginicum.
P. Virginianum. L.
On rocks. 24. July.
2 hexagonopterum. Willd. Moist woods. Bloomingdale
and Hoboken. 24. Aug.
436. { ASPIDIUM. Swartz. } *Shield Fern.*
{ NEPHRODIUM. Mx }
1 acrostichoides. Willd.
N. acrostichoides. Mx.
Shady rocky places. 24. June—July.
2 Noveboracense. Willd.
N. thelyptroides. Mx.
Polypodium noveboracense. L.
Low wet places, and in woods. 24. July.
3 cristatum. Willd.
Polypodium cristatum. L.
On the sides of shady rocks. Bloomingdale. 24. July—
Aug.
4 obtusum. Willd. On rocks. Hoboken. 24. June.
5 marginale. Willd.
N. marginale. Mx.
Polypodium marginale. L.
On rocks and in woods. ☉. June—Aug.
6 Americanum. LC.
Filix mas. Ph.
High rocky hills. New-Jersey. 24. June.
7 bulbiferum. Willd.
N. bulbiferum. Mx.
Polypodium bulbiferum. L.
Rocky woods. On the Island of New-York. LeConte. 24.
July.
8 asplenoides. Willd.
N. asplenoides. Mx.
In woods. 24. July.
9 angustum. Willd.
Nephrodium Felix foemina. Mx.
In woods. 24. July.
10 tenue. Willd.
N. tenue. Mx.
On rocks in woods. 24. July.
11 rufidulum. Willd.
N. rufidulum. Mx.
On rocks. New-Jersey.

437. *ONOCLEA*. L. *Sensitive fern.*
sensibilis. L. Low shady grounds. 24. June.
438. *ASPLENIUM*. L. *Spleen-wort.*
 1 *rhizophyllum*. L. Wet rocks, near springs. 24. June.
 2 *ebeneum*. Willd.
trichomanoides. Mx.
 Shady rocks. 24. July—Aug.
 3 *melanocaulon*. Willd.
Trichomanes. Mx.
 On the sides of rocks. 24. July.
 4 *Ruta muraria*. L. (*Wall-rue.*) On steep precipices. 24. June.
439. *PTERIS*. L. *Brake.*
 1 *atropurpurea*. L. On rocks. 24. June.
 2 *aquilina*. L. (*Common brake.*) In woods. 24. July—Aug.
440. *WOODWARDIA*. Sm.
 1 *angustifolia*. Sm.
onocleoides. Willd.
 In exsiccated swamps. Long-Branch. N. J. Cooper. 24. Aug.
 2 *Virginica*. Willd.
Bannisteriana. Mx.
Blechnum Virginicum. L.
 In swamps. New-York and New-Jersey. 24. Aug.
441. *ADIANTUM*. L. *Maiden hair.*
pedatum. L. Wet shady places. 24. July.
442. *DICKSONIA*. L'Her.
pilosiuscula. Willd.
Nephrodium punctilobulum. Mx.
 Shady woods. 24. July.

MUSCI, according to Palisot de Beauvois.

443. *SPHAGNUM*. *Peat moss.*
 1 *capillifolium*.
vulgare. Mx.
 In the cedar swamp at New-Durham. Aug.
 2 *cymbifolium*.
B. Americanum.
S. vulgare. Mx.
 In moist shady woods and in swamps. Aug.
444. *PHASCUM*. *Earth moss.*
 1 *muticum*. Borders of the salt marshes at Hoboken. May.
 2 *coherens*. On moist ground. Oct.
445. *GYMNOSTOMUM*.
 1 *pyriforme*. In fields and pastures. May.
 2 *prorepens*. Among rocks. June.
446. *HEDWIGIA*.
filiformis.
Anictangium filiforme. Hedw. Mx.
 On rocks—flowers through the season.
447. *TETRAPHIS*.
pellucida. In moist shady woods. Bloomingdale. July.

448. **FISSIDENS.** *Fork moss.*
subbasilaris. In moist woods. Aug.
449. **CECALYPHUM.**
 1 *longirostrum.* P. de B. In wet woods. July.
 2 *scoparium.* Swamps. Common. June—Aug.
 3 *sciuroides.* On the trunks of old trees. May.
 4 *tortila.* P. de B. In swamps. June.
450. **DICRANUM.** *Fox moss.*
 1 *heteromallum.* In woods. May.
 2 *glaucum.* On the shaded cliffs of rocks in Bloomingdale.
 woods. May.
 3 *Xanthodon.* Moist rocks.
 4 *tenue.*
Trichostomum tenue. Hedw.
 Clayey moist fields. May.
 5 *purpurascens.* Banks, road sides. Aug.
 6 *ambiguum.* In sandy fields. *Trematodon longicollis.* Mx.
451. **DIDYMODON.**
pallidum.
Trichostomum pallidum. Hedw. Mx.
 In muddy woods. May.
452. **TRICHOSTOMUM.**
Canadense. Mx. In dry woods.
453. **GRIMMIA.**
 1 *apicola.* Banks—road sides. April—May.
 2 *controversa.* Muhl. Cat. ?
Bryum controversum. P. de B.
 Sandy overflowed places. New-Jersey. Oct.
454. { *MASCHALOCARPUS.* Spreng.
 { *PTERIGYNANDRUM.* Hedw. P. de B.
marginatum. Mx. On the trunks of trees.
455. **FUNARIA.**
 1 *hygrometrica.* Along fences, in shaded situations—
 Greenwich. Oct.
 2 *flavicans.* Mx. On the borders of the salt marsh at Ho-
 boken. May.
456. **BRYUM.**
microodontum.
Weissia microodonta. Hedw. Mx.
Grimmia microodonta. Muhl. Cat. ?
 On the wet rocks at Patterson falls. Sept.
457. **TORTULA.**
tortuosa. About the roots of old trees. May.
458. **BARBULA.**
acuminata. Hills about Hoboken. May.
459. { *DIPHYSCIUM.* Spreng.
 { *HYMENOPOGON.* P. de B.
foliosum. Spreng.
H. heterophyllum. P. de B.
Buxbaumia foliosa. L.
 Around the decaying stumps of trees. Bloomingdale. Aug.

460. **BUXBAUMIA.**
 aphylla. On the rotten stumps of trees. Bloomingdale.
 Aug. very rare.
461. **FONTINALIS.** *Water moss.*
 antipyretica. On stones in brooks.
462. **BARTRAMIA.**
 cripa. On rocks in woods. April.
463. { **ORTHOPYXIS.**
 { **ARRHENOPTERUM.** Hedw.
 1 heterostycha. In swamps and wet shady woods. May-June.
 2 androgyna. Moist woods.
 3 palustris. Common in swamps and wet shady places. July.
464. **MNIUM.**
 1 cuspidatum. Moist banks, road sides, &c. May.
 2 punctatum. Cedar swamp, New-Durham. July.
 3 roseum. Swamps and wet woods. July.
 4 pyriforme. In moist sandy fields. May.
465. **CLIMACIUM.** Spreng. *Tree moss.*
 dendroides.
 Hypnum dendroides. L. P. de B.
 Leskea dendroides. Hedw. Mx.
 In woods and on moist shady rocks, July. rarely flowering.
466. **HYPNUM.**
 1 cupressiforme. Wet woods.
 2 serpens. Moist woods and on rocks. May—June.
 3 stellatum. Wet woods. May—June.
 4 setaceum. Shady woods.
 5 triquetrum. Swamps. New-Jersey.
 6 delicatulum. Wet shady places.
 7 illecebrum. Borders of ponds. May.
 8 cuspidatum. Cedar swamps.
 9 compressiforme. On the trunks of old trees and on rocks.
 Aug.
 10 squarrosum. Moist shady situations. May.
 11 molluscum. On rocks in woods.
467. **NEKERA.**
 heteromalla. On rocks. May—June.
468. **ORTHOTRICHUM.**
 1 commune.
 anomalum. Hedw.
 On rocks. common. April.
 2 cupulatum. On rocks and trunks of trees. April—May.
 3 diaphanum. On rocks. April.
469. { **ATRICHUM.**
 { **OLIGOTRICHUM.** Decand.
 undulatum. In woods and in moist places on road sides.
 very common. July.
470. **POGONATUM.**
 1 ambiguum.
 Polytrichum ambiguum. Mx.

In shady woods.

2 brevicaule.

Polytrichum Pennsylvanicum. Mx.

Moist banks and road sides.

471. POLYTRICHUM.

1 juniperinum. In dry woods. July.

2 piliferum. On rocks at Patterson falls.

3 perigoniale. Mx. In woods and on road sides. June—July.

HEPATICÆ.

472. JUNGERMANNIA.

1 Epiphylla. On the earth in moist woods.

2 pinguis. Wet mossy banks. November.

3 furcata. On old trees.

4 pusilla. On moist ground.

5 tridenticulata. Mx. In swamps.

6 platyphylla. On the trunks of old trees and on rocks.

7 tamarisci. On rocks and woods.

8 complanata. On the trunks of trees. Common.

9 nemorosa. In swamps.

10 dilatata. On the trunks of trees.

11 tomentella. Wet shady woods.

12 orbicularis. ? Mx. In woods, among mosses.

473. MARCHANTIA.

1 polymorpha. In the cedar swamp at New-Durham. July.

2 hemispherica. In gravelly shady situations, in gardens.
September.

3 conica. Mossy shady banks. Clark's woods. October.

4 cruciata. On the sides of hills near the arsenal, Bergen.
May.

5 tenella. Mx. With the preceding. May.

474. RICCIA.

1 glauca. On wet ground.

2 natans. Floating with lemna, in stagnant waters.

3 fluitans. With the preceding.

ALGÆ.

475. CONFERVA.

1 rivularis. In creeks, &c. Summer.

2 velutina. (*Byssus*.) On moist earth.

3 fluvialis. In slow flowing streams.

4 glomerata. On stones, &c. in ponds.

476. CERAMIMUM.

1 diaphanum. In the ocean.

2 littoralis. On the sea shore.

477. FUCUS.

1 vesiculosus. On rocks in salt water.

2 nodosus. With the former.

3 spiralis. With the former.

4 natans. On the sea shore.

5 purpurascens. With the former.

478. ULVA.

- 1 latissima. On the shores of Long-Island.
- 2 purpurea. With the former.
- 3 intestinalis. In ditches.
- 4 lactuca. In salt water.
- 5 lubrica. In ditches.

479. NOSTOC.

- pruniforme. Agardh. Synop. Alg. Scand. p. 134.
- In fresh water ponds. New-Jersey. Oct. Cumberland.

LICHENES, according to Acharius.

480. ARTHONIA.

- punctiformis. On the branches of trees.

481. LECIDEA.

- 1 immersa. On rocks.
- 2 incana. Syn. Meth. Lich.
- Lepraria incana. Lich. Univ.

On the bark of old trees.

- 3 muscorum. In woods on moist ground.
- 4 sabulaetorum, B. geochroa. Meth. Lich.
- muscorum, B. geochroa. Lich. Univ.

On the steatitic hills, Staten-Island.

- 5 icmadophylla. On the trunks of trees.
- 6 alba. On the trunks of trees.

482. GYROPHORA.

- 1 papulosa.
- Umbilicaria pustulata. Mx.

On rocks. Fort Washington.

- 2 vellea.
- Umbilicaria vellea. Mx.

On rocks.

483. CALICIUM.

- 1 turbinatum. On the stumps of decaying oak trees.
- 2 stigonellum. With the preceding.

484. GRAPHIS.

- 1 scripta. On the smooth bark of trees. Betula, &c.

485. VERRUCARIA.

- stigmatella. On the trunks of trees.

486. ENDOCARPON.

- miniaturum. On wet rocks. Patterson falls.

487. PORINA.

- pertussa. On the trunks of trees.

488. VARIOLARIA.

- 1 communis. On the bark of trees and on rocks.
- 2 amara. In similar situations.

489. LECANORA.

- 1 parella. On rocks.
- 2 subfusca. On the trunks of trees.

490. EVERNIA.

- prunastri. On the trunks of trees.

491. **STICTA.**
 1 pulmonacea. In woods and on rocks.
 2 sylvatica. In woods, at the roots of trees.
492. **PARMELIA.**
 1 caperata. On rocks.
 2 perforata.
 Lobaria perforata. Mx.
 On rocks and trunks of trees.
 3 crinita. Muhl. Cat.
 Syn. Meth. Lich.
 On the branches of trees in swamps.
 4 herbacea. On the earth in woods.
 5 olivacea. On the trunks of trees.
 6 saxatilis. On rocks.
 7 stellaris. On trees.
 8 centrifuga. On rocks.
 9 conspersa. On rocks.
 10 physodes. On trees, about their roots.
493. **BORREBA.**
 1 ciliaris. On trees.
 2 chrysophthalma. On trees and old fences.
494. **CETRARIA.**
 1 juniperina. On trees, and old fences.
 2 islandica. (*Iceland moss.*)
 Physcia Islandica. Mx. On the earth in woods.
495. **PELTIDEA.**
 1 venosa. In wet woods on the earth.
 2 horizontalis. On mossy rocks.
 3 apthosa. In woods.
 4 canina. On the earth in woods.
496. **ISIDIUM.**
 coralloides. On rocks. Weehawk.
497. **CENOMYCE.**
 1 pyxidata. On the earth. Woods, &c.
 2 coccifera. With the preceding, and on rotten stumps.
 3 deformis. On the earth. Woods, &c.
 4 cornuta. With the preceding.
 5 uncialis. With the preceding.
 6 cariosa. With the preceding.
 7 rangiferina. In woods, on rocks, and among moss.
498. **BÆOMYCES.**
 roseus. On the earth, in woods.
499. **STEREOCAULON.**
 paschale. In dry woods.
500. **ALECTORIA.**
 jubata.
 Setaria trichodes. Mx.
 On the branches of trees.
501. **RAMALINA.**
 1 fraxinea.
 Physcia fraxinea. Mx. On the trunks of trees.

- 2 fastigiata. On trees.
 502. USNEA.
 1 florida. On the trunks of trees.
 2 plicata. On the branches of trees.
 3 angulata. Muhl.—Syn. Meth. Lich.—Eat. Man. Bot.
 p. 478. On the trunks of trees.
 503. COLLEMA.
 tremelloides. Among moss, in woods.
 504. LEPRARIA.
 1 flava. Trunks of old trees.
 2 incana. On rotten trees.
 3 botryoides. Bark of old trees.

FUNGI, according to Persoon.

505. SPHAERIA.
 1 hypoxylon. On stumps of trees. Hoboken. May.
 2 coccinea. On rotten wood.
 506. TUBERCULARIA.
 vulgaris. On rotten wood. Summer.
 507. TUBER.
 cibarium. (*Truffle.*) Under ground, in sandy fields.
 Love-lane.
 508. GEASTRUM.
 rufescens. Hills. Hoboken. Summer.
 509. LYCOPERDON.
 1 bovista. Fields. Summer and Autumn.
 3 pratense. Fields. Spring.
 3 pyriforme. Stumps of rotten trees. Autumn.
 510. STEMONITES.
 typhina. On stumps of trees and rotten woods. July.
 511. MUCOR. Mould.
 1 mucedo. On putrifying fruit, &c. Summer.
 2 herbariorum. On dried plants.
 512. OXYGENA.
 equina. On the cast off hoofs of horses.
 513. AECIDIUM.
 1 anemones. On the leaves of *Anemone nemorosa*. May.
 2 claytoniae. On *Claytonia Virginica*. April.
 3 pyrolae. On *Pyrolae rotundifolia*. June.
 4 rubi. On *Rubus procumbens*. Summer.
 514. UREDO.
 1 segetum. (*Smut.*) On *Arundo phragmites*, and on other grasses.
 2 linearis. On the leaves of rye, &c.
 515. CYATHUS.
 olla. On rotten wood, in shady places.
 516. PHALLUS.
 1 impudicus. ? Fields and borders of woods. October.—
 This is probably the *P. impudicus* of Muhlenberg's Catalogue, but is hardly the plant described under that name in Persoon's Fungi; our plant has an *indusium*, of which the European plant is destitute.

- 2 coccineus. Borders of fields. Greenwich. October.
517. AMANITA.
livida. In woods. Autumn.
518. AGARICUS. *Mushroom, toad-stool, &c.*
1 caudicinus. Stumps of trees. Hoboken. October.
2 rufo-violaceus. Fields, along fences. Oct. Nov.
3 coccineus. Woods. October.
4 hypnorum. Among mosses. Road sides. Summer.
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6 disseminatus. About the stumps of poplar trees. Summer.
7 domesticus. In cellars.
8 campestris. (*edible mushroom.*) Fields, road sides, &c.
9 piperitus. Woods. Autumn.
10 rosaceus. Woods. Summer.
11 involutus. Woods. June.
12 inconstans. Stumps of trees, in obscure situations. July.
13 epiphyllus. On dead leaves, in Autumn.
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5 frumentarius. In similar situations.
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526. MORCHELLA.
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527. PEZIZA.
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2 leucomela. On the dead branches of trees.
528. ISARIA.
mucida. On dried fungi.

529. MONILA.

fructigena. On putrid fruit.

530. RACODIUM.

xylostroma. On the bark of old and dead trees.

531. HIMANTIA.

candida. On dead leaves in Autumn.

NOTES.

Page 10. *Gratiola neglecta*, nobis : G. caule pubescente assurgente tereti ; foliis glabris lanceolatis pauci-dentato-serratis basi attenuatis connatisque : calycis foliolis aequalibus ; filamenta sterilia nulla.

Root fibrous, perennial. Stem about six inches, branched at the base, round ; leaves broad-lanceolate, narrowed at the base and a little connate, smooth, rather obtuse. Peduncles varying in length, some of them shorter, and some longer than the leaves, the upper ones opposite. Calyx with obtuse lanceolate segments a little more than one third the length of the corolla ; bracts longer than the calyx, beset with glanduliferous hairs. Corolla with divisions rounded, the upper segment longer, and all of them emarginate ; limb white ; tube yellow, bent obliquely, smooth ; throat hairy. Filaments shorter than the tube. Stigma oblique, compressed. Capsule ovate, acutish, and about the length of the calyx.

This species approaches very near to *G. Virginica*, and may be the plant which Pursh has described as such. From the *G. Virginica* of Elliott it differs in several circumstances. Particularly in having a pubescent stem, and in the absence of abortive stamina. It has great affinity to *Gratiola sphaerocarpa*. Ell.

Page 11. *Utricularia striata*, Le Conte : U. Scapo 2-3-floro ; nectario recto obtuso : labio superiore ovato rotundato subemarginato, margine undulato, palato bilobo : labio inferiore trilobo lateribus reflexis, nectario longioribus : corolla striis rubris manifestis.

Stems submerged. Roots, (leaves ?) capillary, diverging, sparingly furnished with utriculi. Scape about a foot high, seldom perfecting more than two flowers, which are large and elegantly striated with red.

Page 13. *Cyperus caespitosus*, nobis : C. culmo acute triquetro ; umbella radiata vel subradiata laxa radiis brevibus : involucra 4-phylla 2 longissimis : spicis lineari-lanceolatis compressis acutis : stamina duo : stylus bifidus, semen oblongum obtusum compressum.

Roots fibrous, perennial. Culm growing in tufts, 5 to 12 inches high. Leaves situated mostly at the base of the culm and nearly equalling it in height, narrow-linear. Umbel sometimes very distinctly rayed ; the rays about three in

number. Involucrum of two short and two very long leaves. Spikes very acute, in fascicles on the rays, seldom crowded. Glumes rather rigid, the carina green and striated, the rest of a chesnut colour. Seed glabrous. Grows on the borders of salt marshes, and is particularly plentiful on the banks of ditches in Hoboken meadows, where it forms large patches. When it grows in overflowed places it is much taller and the rays of the umbel are very distinct. It appears to be confined to the vicinity of salt water.

Page 13. *Cyperus dianthus*, nobis : *C. culmo debili obtuse trigono ; umbella subuniradiata et fasciculiflora : involucrum 3-phyllum, 2 umbella multo longiore : spicis castaneis lanceolato-oblongis compressis multifloris (14-16 :) glumis acutiusculis carinatis : stamina duo : stylus bifidus : semen ovatum compressum.*

Root fibrous, perennial. Culm very slender, reclining on other plants, or decumbent, and generally solitary or thinly scattered. Leaves few, short and linear-lanceolate. Umbel simple, generally with one ray from the fascicles of spikes. Involucrum of two long leaves and one short one, very smooth. Glumes with a green carina, and chesnut colored sides, much compressed. Styles very long. Seed grey, smooth.

A delicate and handsome species, growing in salt marshes. It is rarer than the former, but not uncommon in Hoboken meadows, generally in overflowed situations. It may have been heretofore confounded with *C. flavescens*, from which however, it is distinct.

Page 15. *Milium amphicarpon*, Pursh. Flora Amer. Sept. 1. p. 62. t. 2.

Specimens of this plant collected by M. Goldy in Monmouth Co. N. Jersey, agree exactly with Pursh's figure, but the flowers of the panicle are hermaphrodite, and produce perfect seeds. Its specific character should therefore be altered.

M. culmo glabro : foliis lineari-lanceolatis hirsutis ciliatis : panicula simplici, ramis erectis racemiferis : floribus hermaphroditis lanceolatis trinerviis : floribus femineis in scapis unifloris radicalibus vaginatis, glumis oblongis ventricosis acuminatis glabris.

There can scarcely be a doubt but that this is the *Milium ciliatum* of Muhlenberg, (*Descrip. Uber. Gram. p. 77.*) as his description agrees minutely with our specimens, though he does not notice the remarkable radical inflorescence, merely remarking "radix granulosa." Perhaps this character is not constant. Hermaphrodite flowers : Calyx 2-valved lanceolate unequal, acute ; the interior shorter and a little cleft at the apex, and both of them 3-nerved, smooth. Corolla 2-valved, equal, of the length of the interior valve of the calyx, smooth and nerveless ; the exterior clasping the interior valve. Stamina 3 ; filaments a little longer than the germen ; anthers dark purple, plumose. Seed oblong, smaller than in the female flowers. Female flowers : Calyx 2-valved ; valves acuminate, the exterior distinct from the interior one, and of

a different texture. Valves of the corolla coriaceous, as well as the inner valves of the calyx. Seed ovate, brown. Styles 2. No traces of stamina.

Page 15. *Agrostis compressa*, nobis : *A. glaberrima* : culmo erecto compresso simplici : panicula oblonga subcontracta ramosa capillari : calycibus aequalibus corolla brevioribus, valvulis acutis : corolla aequalis obtusiuscula basi glabra.

Root perennial. Culm about a foot and a half high, leafy soboliferous at the base. Leaves linear, very narrow, almost as tall as the culm, glaucous, keeled or compressed. Stipule truncate very short. Sheaths smooth, compressed and carinate, often standing off from the culm, and never surrounding it. Panicle terminal, purple, sparingly branched ; branches erect and virgate. Calyx : valves much shorter than the corolla, lanceolate ; inner valve 1-nerved, serrulata on the keel, notched at the apex ; sometimes it is mucronate and rather obtuse, or denticulate. Corolla : valves smooth, lanceolate, and often split down to the base. Stamina. Styles 2. Stigmas purple.

Collected in swamps in New-Jersey, by Mr. Goldy, an English botanist.

Page 16. *Uralespis aristulata*, Nuttall. Gen. Amer. Pl. p. 62, and additions.

This grass is covered with a viscid acid substance, which deserves to be investigated. It strongly reddens vegetable blues, and has a very peculiar taste. It appears to be a secretion from the plant, and can be observed, appearing like dew upon the hairs which cover it.

Page 17. *Panicum macrocarpon*, Le Conte. Monograph. Panic. M. S. *P. culmo erecto vaginisque pubescentibus, nodis nudis : foliis latis lanceolatis cordatis utrinque nervosis glabris ciliatis : panicula subcomposita ramosa : glumis majusculis turgidis ovatis pubescentibus striatis.*

Culm about a foot and a half high. Glumes larger than in any other species in this neighbourhood. It is nearly allied to *P. latifolium*.

Page 17. *Panicum umbrosum*, Le Conte. l. c. *P. gracile parvum erectum glabrum : culmo purpureo, nodis nudis : foliis remotiusculis patulis lanceolatis subcordatis, vaginis ciliatis : panicula parviuscula simplici : glumis ovatis glabris striatis.*

This species resembles *P. nitidum*, but it differs from it in having a smaller panicle and flowers ; in the sheaths being ciliated and the leaves broader.

Page 17. *Panicum angustifolium*, Le Conte. l. c. *P. culmo glabro erecto, nodis nudis : foliis glabris linearibus longis : vaginis ad collum barbatis : panicula simplici pauciflora : glumis longe pedicellatis (pedicellis erectis) majusculis ovatis glabris striatis : seminibus latero altero 2 sulcatis.*

Page 19. *Windsoria pallida*, nobis : *W. glaberima* : culmo erecto : foliis lanceolato-linearibus planis : panicula laxa subpatula, ramis virgatis capillaribus ; spicis lanceolatis pedicellatis : calycibus inequalibus. 5-floris, floribus glabris :

corolla valvulis aequalibus, valvula exterior apice 5-dentata, interiore bifido.

Root perennial creeping. Culm 3 feet high and more. Leaves naked, a little rough backwards on the upper surface; somewhat glaucous beneath. Ligule elongated, ovate. Sheaths smooth, striated. Panicle large, and of a few spikes; rachis and branches distinctly flexuous. Branches in pairs, forked. Spikes lanceolate, compressed, all of them on pedicels, and terminal. Calyx 2-valved, unequal, the larger valve ovate, obtuse, and obsolete 3-nerved, the other rather acute, and both of them scarious on the margin. Corolla: valves nearly equal; the exterior ovate lanceolate, with 5 very distinct, prominent, rough nerves; the other valve lanceolate, white with a green margin, rather scabrous, bifid at the apex, even when very young. Stamina, filaments 3, as long as the corolla; anthers pale yellow. Pistillum, germen oval, compressed; stigmas 2, plumose, white.

This species, though hardly agreeing with the generic character as laid down by Nuttall, appears to be a congener with *W. ambigua*. (*Poa ambigua* of Elliot.) It is not described under the genus *Poa*, in Muhlenberg's grasses, nor in any other American work, though the species is not scarce. It grows in swamps of the pine barrens of New-Jersey, as well as in the place mentioned in the catalogue.

Page 44. *Cerastium nutans*, Raf. This is probably the *Cerastium glutinosum* of Nuttall. Gen. Amer. Pl. 1. p. 291.

Page 48. *Geum agrimonoides*, Pursh. There may be some doubt whether our plant is identical with that of Pursh. The following are its characters, taken from living specimens.

G. pubescens, viscosum: foliis pinnatis; foliolis sessilibus subrotundis duplicato-inciso-serratis obliquis, imparibus subovatis: stipulis adnatis acutis integris: floribus congestis subsessilibus; calycis foliolis oblongis acutis; petalis obovatis calyce longioribus.

Leaves growing in a tuft about the root, those on the stem few. Stem about two feet high, flowers white. The whole plant is covered with a viscid exudation, which entangles small insects.

Page 60. *Lathyrus stipulaceus*, Le Conte: L. caule alato tetragono: stipulis magnis semisagittatis ovatis acuminatis: foliis 3-jugis ellipticis mucronatis: pedunculis 4-6-floris foliis sublongioribus.

Flowers large, purple.

Page 64. *Eupatorium laevigatum*, nobis: E. calyce plusquam 5-floro: foliis quinis petiolatis lanceolatis utrinque glaberrimis tenuibus: caule fistuloso laevi subglauc.

Stems from 5 to 6 feet high, marked with purple lines.—

Flowers purple.

From *E. maculatum*, it differs in having a hollow stem, and from *E. purpureum*, in having smooth leaves.

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ERRATA.

Page 3, For "Ferrula," read Ferula.

10, line 19, to "serpillifolia" add, Wet meadows and woods. 24
May. blue.

14, for "Kyllingea," read KYLLINGIA.

15, line 8, for "preceding," read S. juncea.

16, after line 7 from the bottom, add C. Canadensis. Nutt.

20, after line 29, add Palamagrostis Americana. Nutt. non Muhl.

22, line 6 from the bottom, for "tufidum," read trifidum.

34, line next above HEXANDRIA, for "tennifolia," read tenuifolia.

37, after "MELANTHIUM," add VERATRUM. L. viride. Willd. al-
bum. Mx. Shady swamps. 24. May. green.

38, for "Chick-weed. Winter green," read Chickweed-wintergreen.

39, line 11 from the bottom, for "Hyropiper," read Hydropiper.

48, line 28, for "viscosa," read viscosum.

52, line 3, for "aeris," read acris.

55, for "Precis des De Couv," read Precis des Decouv.

56, line 21, for "Beach drops," read Beech drops.

57, for "Allum-root," read Alum-root.

71, for "dactaloides," read dactyloides.

72, line 5, for "sparginoides," read sparganioides.

72, line 28, for "inteumescens," read intumescens.

72, line 35, for "lacustus," read lacustris.

75, line 30, for "Beech," read Birch.

76, line 15, for "virescute," read virescente.

76, line 8 from the bottom, for "CYPRESSUS," read CUPRESSUS.

To those who Herborize with the Manual of Botany.

IN the preface to the Manual, at the 7th page, notice was given that Mr. E. James would supply the omission of Synonyms, &c. But when the manuscript of this catalogue was completed, and in this state examined by the author of the Manual and by Mr. James, the contemplated publication of a list of synonyms and authorities was relinquished. For in this catalogue may be found most of the synonyms and authorities which would be of any use to instructors or students residing in the northern or middle states.

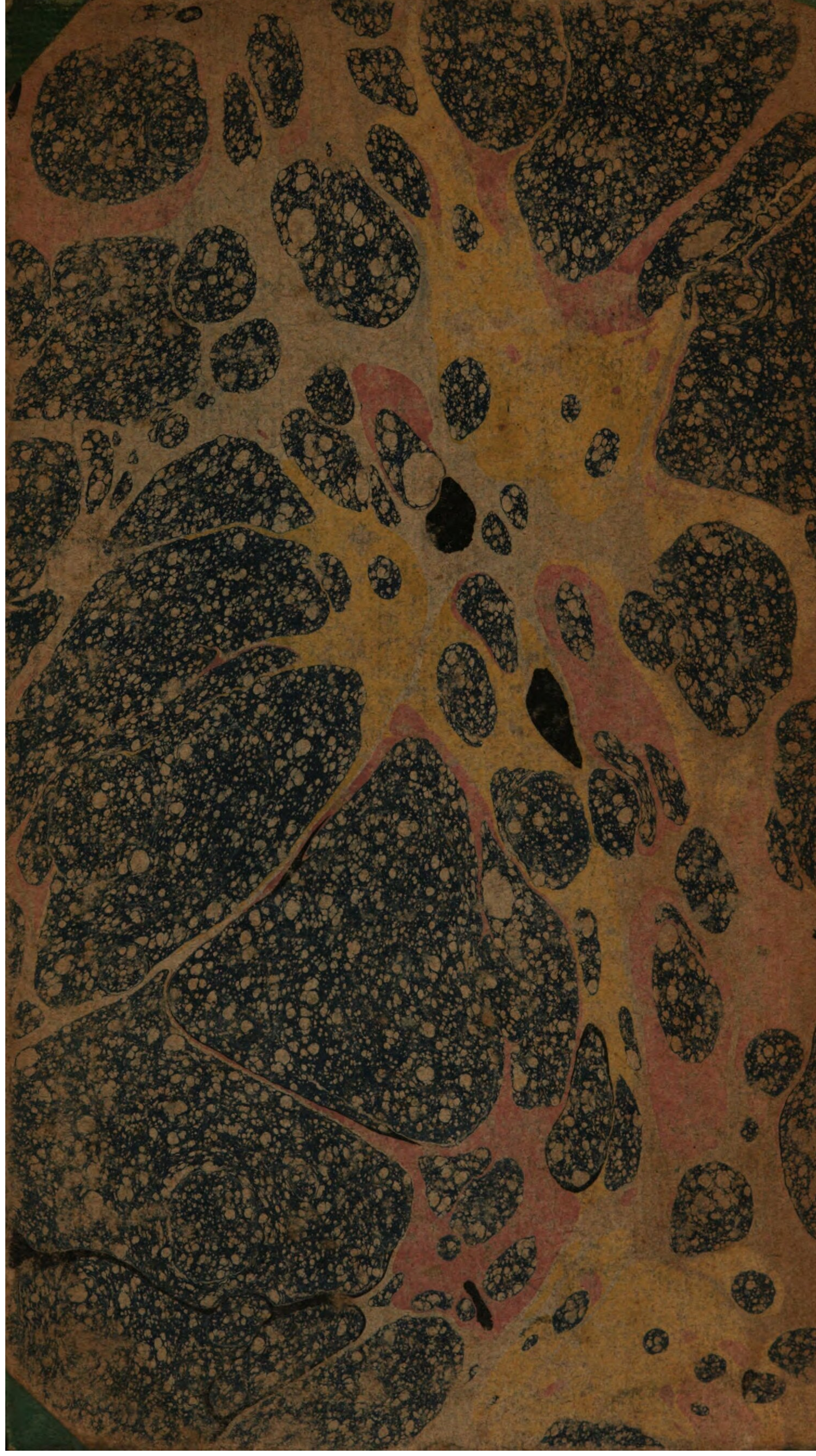
A few genera, which are included in this catalogue, do not correspond with those of the Manual in their systematic location. This difficulty will be obviated by the Indexes. The subdivisions of genera, adopted in this catalogue, may be adjusted to their places in the manual by the aid of the index and the classification.

The difference in English names is not worth noticing. The author of the Manual frequently adopted the names in common use in New-England and in the interior of the state of N. York. In this catalogue the names which we find in the English books are often preferred.

A. E.

Albany, March 11, 1819.

27.15
/ 3.12



Catalogue of Plants growing spontaneously within thirty miles of the City
of New-York

Albany 1819

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